

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:aseptal623zct

PASSWORD:

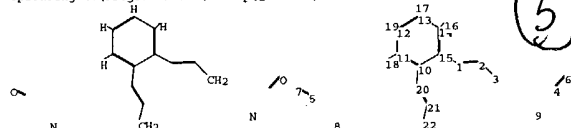
TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN International *****

NEWS 1 Web Page URL for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/Cplus records now contain indexing from 1907 to the present
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded
NEWS 5 SEP 29 DISSABS now available on STN
NEWS 6 OCT 10 PCTFULL: Two new display fields added
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9 NOV 24 MSDS-CCOAS file reloaded
NEWS 10 DEC 08 CABA reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
NEWS 12 DEC 09 Experimental property data collected by CAS now available in REGISTRY
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/Cplus
NEWS 14 DEC 17 DOENR: Two new display fields added
NEWS 15 DEC 16 BIOTECNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer available
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS 18 DEC 22 IFIPAT/IFIUDR/IFICDB reloaded with new data and search fields
NEWS 19 DEC 22 ABI-INFORM now available on STN
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/Cplus
NEWS 22 FEB 05 German (DE) application and patent publication number format changes
NEWS 23 MAR 03 MEDLINE and LMEEDLINE reloaded
NEWS 24 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 25 MAR 03 FRANCHPAT now available on STN
NEWS 26 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 27 MAR 29 WPIFV now available on STN
NEWS 28 MAR 29 No connect hour charges in WPIFV until May 1, 2004
NEWS 29 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS EXPRESS MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0b(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

Uploading C:\Program Files\Stnexp\Queries\FORD'S DOG.str

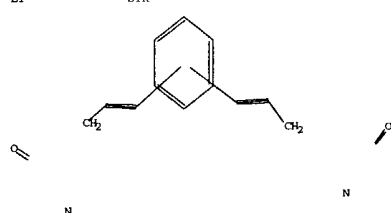


chain nodes :
1 2 3 4 5 6 7 8 9 16 17 18 19 20 21 22
ring nodes :
10 11 12 13 14 15
chain bonds :
1-2 1-15 2-3 4-6 5-7 10-20 11-18 12-19 13-17 14-16 20-21 21-22
ring bonds :
10-11 10-15 11-12 12-13 13-14 14-15
exact/norm bonds :
4-6 5-7
exact bonds :
1-2 1-15 2-3 10-20 11-18 12-19 13-17 14-16 20-21 21-22
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS

L1 STRUCTURE UPLOADED

-> d 11
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

***** STN Columbus *****
FILE 'HOME' ENTERED AT 06:35:51 ON 30 MAR 2004

=> LOG HOLD
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE ENTRY 0.21
TOTAL SESSION 0.21

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:36:29 ON 30 MAR 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:aseptal623zct

PASSWORD:

***** RECONNECTED TO STN INTERNATIONAL *****
SESSION RESUMED IN FILE 'HOME' AT 06:55:18 ON 30 MAR 2004
FILE 'HOME' ENTERED AT 06:55:18 ON 30 MAR 2004

COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE ENTRY 0.21
TOTAL SESSION 0.21

=> file reg
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE ENTRY 0.21
TOTAL SESSION 0.21

FILE 'REGISTRY' ENTERED AT 06:55:26 ON 30 MAR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 MAR 2004 HIGHEST RN 668968-88-5
DICTIONARY FILE UPDATES: 29 MAR 2004 HIGHEST RN 668968-88-5

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

=> e 11
SAMPLE SEARCH INITIATED 06:55:42 FILE 'REGISTRY'
SAMPLE SEARCH COMPLETED - 626 TO ITERATE
100.0% PROCESSED 626 ITERATIONS (12 INCOMPLETE) 19 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 11019 TO 14021
PROJECTED ANSWERS: 119 TO 641

L2 19 SEA SSS SAM L1

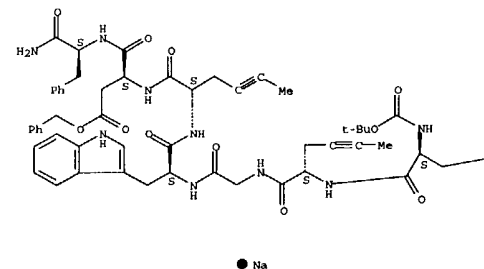
=> d 19

L2 ANSWER 19 OF 19 REGISTRY COPYRIGHT 2004 ACS ON STN
RN 100654-10-2 REGISTRY
ITERATION INCOMPLETE
CN L-Phenylalaninamide, N-[(1,1-dimethylethoxy)carbonyl]-O-sulfo-L-tyrosyl-4,4,5,5-tetrahydro-L-norleucylglycyl-L-tryptophyl-4,4,5,5-tetrahydro-L-norleucyl-L-α-aspartyl-, 6-(phenylmethyl) ester, monosodium salt (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
ME CS9 H67 N9 O15 S . Na
SR CA
LC STN Files: CA, CAPLUS, CASREACT

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A

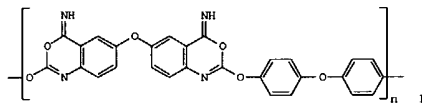


>> d 115 ibib abs hitatr

L4 ANSWER 115 OF 115 CAPLUS COPYRIGHT 2004 ACS ON STN
 ACCESSION NUMBER: 1980:216210 CAPLUS
 DOCUMENT NUMBER: 92:216210
 TITLE: Thermostable heterocyclic polymers
 INVENTOR(S): Chernikhov, A. Ya.; Yakovlev, M. N.; Lysova, V. B.;
 Gafter, E. L.; Shmagina, N. N.
 PATENT ASSIGNEE(S): USSR
 SOURCE: Fr. Demande, 45 pp.
 CODEN: FRXXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

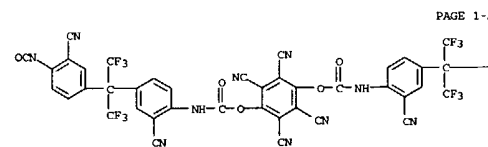
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2428655	A1	19800111	FR 1978-17808	19780614
FR 2428655	B1	19810508		

PRIORITY APPL. INFO.: FR 1978-17808 19780614
 GI



AB Copolymers with good heat resistance are prepared by the copolym. of
 ≥1 monomer (and/or oligomer) containing multiple CN and/or C≡C bond, CH
 groups as well as other functional groups such as NCO, NCS, NH₂, OH, NSO,
 or SH groups with ≥1 other monomer (and/or oligomer) containing
 functional groups such as OH, NCO, NH₂, SH, NCS, or NSO groups. The
 nitrile and/or ethynyl groups are located in the alpha, ortho, or peri
 position with respect to the other functional groups and cause the
 formation of heterocyclic rings during polymerization. The polymers contain
 aromatic
 rings. Some of the 44 polymers were prepared from decaboranes, silanes,
 siloxanes, cyclotriphosphazenes, phosphates, or halogen-containing comds.
 Thus, 3.0 g bis(3-cyano-4-isocyanatophenyl) ether and 2 g
 bis(4-hydroxyphenyl) ether were heated at ≤300° to prepare
 98.5% copolymer I [73539-21-6], which lost 1.8% of its weight during 100 h
 at 300° in air.
 IT 73614-80-9P 73614-91-2P 73615-19-7P
 73629-31-1P 73644-16-3P 73650-30-3P
 RL: SPH (Synthetic preparation); PREP (Preparation)
 (preparation and heat resistance of)
 73614-80-9 CAPLUS
 CN 1,3-Benzenedicarboxamide, 4,6-dicyano-N,N'-bis(3-ethynyl-4-
 isocyanatophenyl)-. polymer with 5,6-dimercapto-2(1H)-quinazolinethione
 and 3-isothiocyanato-7-(sulfinylamino)-2,8-phenazinedicarbonitrile (9CI)
 (CA INDEX NAME)
 CM 1
 CRN 73614-79-6

CRN 73614-89-8
 CMF C48 H14 F12 N12 O6



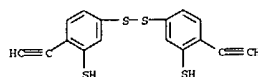
PAGE 1-A

PAGE 1-B

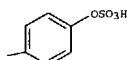


RN 73615-19-7 CAPLUS
 CN Carbanic acid, 1,3,4-oxadiazole-2,5-diylbis-, bis[4-[1-methyl-1-[[[5-(
 sulfinylamino)-1,3,4-oxadiazol-2-ylamino]carbonyloxy]phenyl]ethyl]phenyl
 ester, polymer with 3,3'-dithiobis[6-ethynylbenzenethiol] (9CI) (CA
 INDEX NAME)

CM 1
 CRN 73615-18-6
 CMF C16 H10 S4



CM 2
 CRN 73615-17-5
 CMF C40 H32 N12 O13 S2



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

>> s 11 abs full
 FULL SEARCH INITIATED 06:56:25 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 12941 TO ITERATE

100.0% PROCESSED 12941 ITERATIONS (302 INCOMPLETE) 465 ANSWERS
 SEARCH TIME: 00.00.10

L3 465 SEA SSS FUL L1

>> file caplus
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 ENTRY SESSION
 FULL ESTIMATED COST 157.61 157.82

FILE 'CAPLUS' ENTERED AT 06:56:46 ON 30 MAR 2004
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USACRTERMS" FOR DETAILS.
 COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

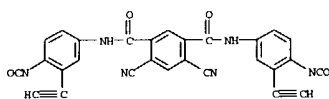
Copyright of the articles to which records in this database refer is
 held by the publishers listed in the PUBLISHER (PB) field (available
 for records published or updated in Chemical Abstracts after December
 26, 1996), unless otherwise indicated in the original publications.
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 American Chemical Society and is provided to assist you in searching
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 of this information, without the prior written consent of CAS, is
 strictly prohibited.

FILE COVERS 1907 - 30 Mar 2004 VOL 140 ISS 14
 FILE LAST UPDATED: 29 Mar 2004 (20040329/ED)

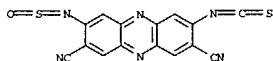
This file contains CAS Registry Numbers for easy and accurate
 substance identification.

>> s 134
 L34 NOT FOUND
 The L-number entered has not been defined in this session, or it
 has been deleted. To see the L-numbers currently defined in this
 session, enter DISPLAY HISTORY at an arrow prompt (>).
 >> s 13

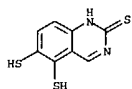
CMF C28 H12 N6 O4



CM 2
 CRN 73614-78-5
 CMF C15 H4 N6 O S2

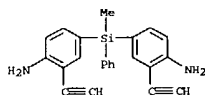


CM 3
 CRN 73614-77-4
 CMF C8 H6 N2 S3

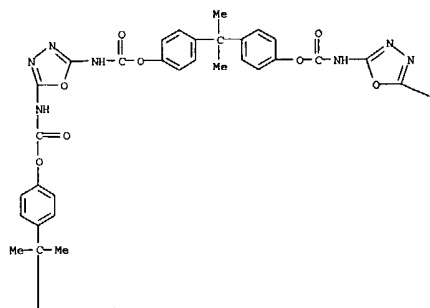


RN 73614-91-2 CAPLUS
 CN Carbanic acid, [2-cyano-4-[1-(3-cyano-4-isocyanatophenyl)-2,2,2-trifluoro-
 1-(trifluoromethyl)ethyl]phenyl]-, 2,3,5,6-tetracyano-1,4-phenylene ester,
 polymer with 4,4'-(methylphenylsilylene)bis[2-ethynylbenzenamine] (9CI)
 (CA INDEX NAME)

CM 1
 CRN 73614-90-1
 CMF C23 H20 N2 S1



CM 2

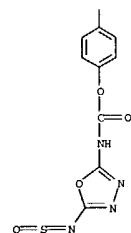


PAGE 1-A

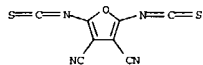
PAGE 1-B



PAGE 2-A

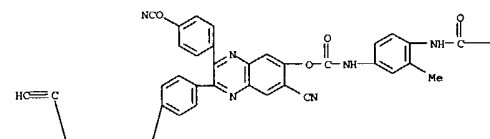


RN 73629-33-1 CAPLUS

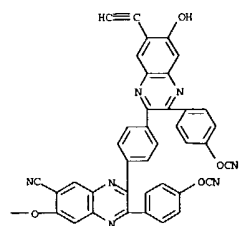


CM 2
CRN 73644-14-1
CMF C87 H44 N16 O10

PAGE 1-A

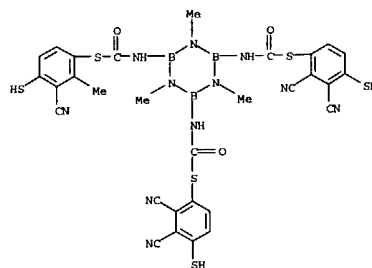


PAGE 1-B

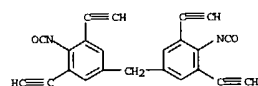


CN Carbamothioic acid, [6-[[[(3-cyano-4-mercapto-2-methylphenyl)thio]carbonyl]amino]-1,3,5-trimethyl-2,4-borazinediyl]bis-, S,S-bis(2,5-dicyano-4-mercaptophenyl) ester, polymer with 1,1'-methylenebis[3,5-diethynyl-4-isocyanatobenzene] (9CI) (CA INDEX NAME)

CM 1
CRN 73629-32-0
CMF C30 H24 B3 N11 O3 S6



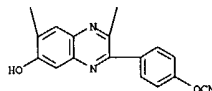
CM 2
CRN 73629-31-9
CMF C23 H10 N2 O2



RN 73644-16-3 CAPLUS
CN Carbamic acid, (2-methyl-1,4-phenylene)bis-, bis[3-(4-cyanatophenyl)-2-[4-[3-(4-cyanatophenyl)-7-ethynyl-6-hydroxy-2-quinoxalyl]phenyl]-7-cyano-6-quinoxalyl] ester, polymer with 2,5-diisothiocyanato-3,4-furandicarbonitrile (9CI) (CA INDEX NAME)

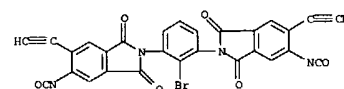
CM 1
CRN 73644-15-2
CMF C8 H4 O S2

PAGE 2-A



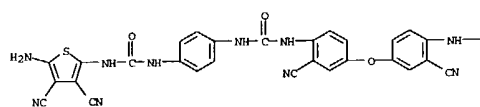
RN 73650-30-3 CAPLUS
CN Urea, N,N'-[oxybis(2-cyano-4,1-phenylene)]bis[N'-(4-[[[(5-amino-3,4-dicyano-2-thienyl)amino]carbonyl]amino]methylphenyl]-, polymer with 2,2'-(2-bromo-1,3-phenylene)bis[5-ethynyl-6-isocyanato-1H-isindole-1,3(2H)-dione] and (diaminomethylene)propanedinitrile (9CI) (CA INDEX NAME)

CM 1
CRN 73601-05-5
CMF C28 H9 Br N4 O6

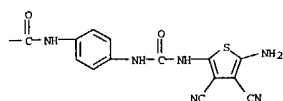


CM 2
CRN 73412-10-9
CMF C44 H30 N16 O5 S2
CCI IDS

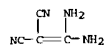
PAGE 1-A



2 (D1-Me)



CM 3

 CBN 1187-12-8
 CMF C4 H4 N4


```

=> log hold
COST IN U.S. DOLLARS          SINCE FILE    TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          5.63          163.45

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE    TOTAL
                                                ENTRY          SESSION
CA SUBSCRIBER PRICE          -0.69          -0.69
  
```

 SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 06:58:03 ON 30 MAR 2004

Connecting via Winsock to STN

Welcome to STN International! Enter X:X

LOGINID:aseptal623zct

 PASSWORD:
 * * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'CAPLUS' AT 07:02:33 ON 30 MAR 2004
 FILE 'CAPLUS' ENTERED AT 07:02:33 ON 30 MAR 2004
 COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

```

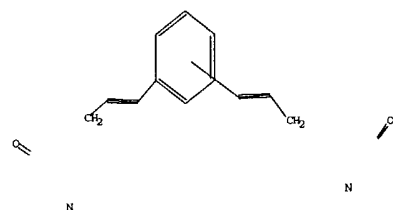
COST IN U.S. DOLLARS          SINCE FILE    TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          5.63          163.45

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE    TOTAL
                                                ENTRY          SESSION
CA SUBSCRIBER PRICE          -0.69          -0.69
  
```

```

=> file reg
COST IN U.S. DOLLARS          SINCE FILE    TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          5.63          163.45
  
```

L5 STRUCTURE UPLOADED

 => d 15
 L5 HAS NO ANSWERS
 L5 STR


Structure attributes must be viewed using STN Express query preparation.

```

=> e 15
SAMPLE SEARCH INITIATED 07:02:58 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1148 TO ITERATE

87.1% PROCESSED 1000 ITERATIONS ( 3 INCOMPLETE) 10 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01
  
```

```

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH **COMPLETE**
PROJECTED ITERATIONS: 20928 TO 24992
PROJECTED ANSWERS: 26 TO 432
  
```

L6 10 SEA SSS SAM L5

=> d 1-10

```

L6 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2004 ACS ON STN
RN 654678-59-8 REGISTRY
CN Benzeneacetic acid, 3-[3-[[[6-[[[1,1-dimethylethoxy]carbonyl]amino]-3-pyridinyl]methyl]amino]carbonyl]oxy]-1-propynyl]-5-(3-hydroxy-1-propynyl)-, methyl ester (9CI) [CA INDEX NAME]
FS 3D CONCORD
MF C27 H29 N3 O7
SR CA
LC STN Files: CA, CAPLUS
  
```

```

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE    TOTAL
                                                ENTRY          SESSION
CA SUBSCRIBER PRICE          -0.69          -0.69
  
```

 FILE 'REGISTRY' ENTERED AT 07:02:42 ON 30 MAR 2004
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

 STRUCTURE FILE UPDATES: 29 MAR 2004 HIGHEST RN 668968-88-5
 DICTIONARY FILE UPDATES: 29 MAR 2004 HIGHEST RN 668968-88-5

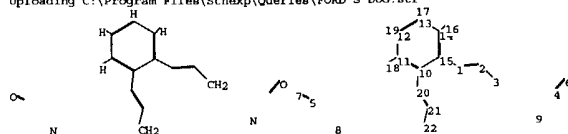
TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

 Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryass.html>

=> Uploading C:\Program Files\Stnexp\Queries\FORD'S DOG.str

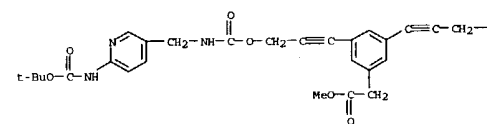


```

chain nodes :
1 2 3 4 5 6 7 8 9 16 17 18 19 20 21 22
ring nodes :
10 11 12 13 14 15
chain bonds :
1-2 1-15 2-3 4-6 5-7 10-20 11-18 12-19 13-17 14-16 20-21 21-22
ring bonds :
10-11 10-15 11-12 12-13 13-14 14-15
exact/norm bonds :
4-6 5-7
exact bonds :
1-2 1-15 2-3 10-20 11-18 12-19 13-17 14-16 20-21 21-22
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS
  
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PAGE 1-A



PAGE 1-B

—OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

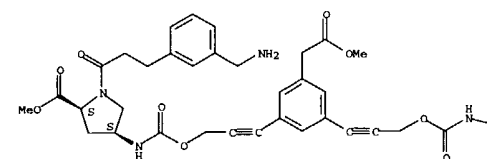
 1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```

L6 ANSWER 2 OF 10 REGISTRY COPYRIGHT 2004 ACS ON STN
RN 654677-65-3 REGISTRY
CN L-Proline, 1-[[3-[[3-(aminomethyl)phenyl]-1-oxopropyl]-4-[[[3-[[3-[[[2-amino-4-pyridinyl]methyl]amino]carbonyl]oxy]-1-propynyl]-5-(2-methoxy-2-oxoethyl)phenyl]-2-propynyl]oxy]carbonyl]amino]-, methyl ester, (4S)- (9CI) [CA INDEX NAME]
FS STEREOSEARCH
MF C19 H42 N6 O9
CI COM
SR CA
LC STN Files: CA, CAPLUS
  
```

Absolute stereochemistry.

PAGE 1-A





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

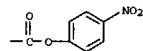
```

L6 ANSWER 3 OF 10 REGISTRY COPYRIGHT 2004 ACS ON STN
RN 618119-49-6 REGISTRY
CN Carboxylic acid, 2-((5,5-dimethyl-1,3-dioxan-2-yl)-5-[(3,5-di-1-
  pentylphenyl)ethyl]ethyl-1,4-phenylene)di-4-butyne-4,1-diyli
  di-4-butenyl ester, polymer with 4,4'-[2-[[1,3-dioxolan-2-yl)-5-[(3,5-
  di-1-pentylphenyl)ethyl]ethyl]-1,4-phenylene]bis(3-butyne-1-ol) (9CI) (CA
  INDEX NAME)
CF (C35 H46 N2 O12 . C35 H34 O4)x
MI PMS
CT Polycacetylene
SE CA
LC STN Files: CA, CAPLUS

```

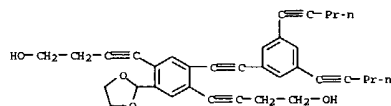
****RELATED POLYMERS AVAILABLE WITH POLYLINK****

CM 1
CRN 618119-47-4
CMF C52 H46 N2 O12



CM 2

CRN 618119-45-2
CMF C35 H34 O4

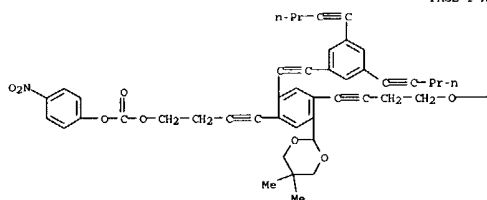


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

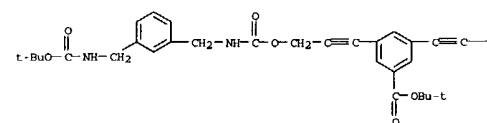
```

LN      ANSWER 4 OF 10:REGISTRY  COPYRIGHT 2004 ACS on STN
RN      452295-32-8  REGISTRY
CN      Benzoic acid, 3,5-bis[3-(((3-(((1,1-dimethylethoxy)carbonyl)amino)methyl
        1)phenyl)methyl)amino)carbonyloxy]-1-propenyl]-, 1,1-dimethylethyl ester
        (9CI) (CA INDEX NAME)
PS      32 CONCORD
NF      C45 H54 N4 O10
SR      CA
LC      STN Files:  CA, CAPLUS

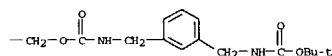
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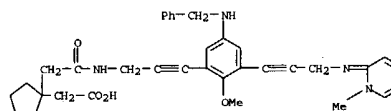
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```

LN      ANSWER 5 OF 10  REGISTRY  COPYRIGHT 2004 ACS on STN
RN      452295-29-3  REGISTRY
CN      Carbanic acid, [[4-[[[1,1-dimethylethoxy]carbonyl]amino]methyl]phenyl]meth-
        hyll-, [5-[[[1,1-dimethylethoxy]diphenyl]oxy]methyl]-1,3-propylene]di-
        2-propyne-3,1-diyl ester (9CI)  (CA INDEX NAME)
MF      3D CONCORD
FS      CST H66 N4 O9 Si
SR      CA
LC      STN Files:  CA, CAPLUS

```



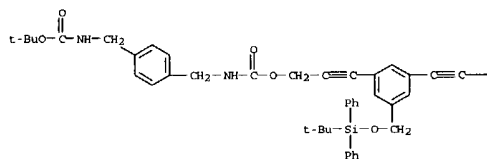
● H⁺

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

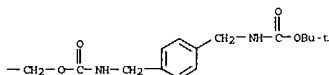
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LG      ANSWER 7 OF 10:REGISTRY   COPYRIGHT 2004 ACS ON STN
LN      19629-11-0    REGISTRY
CN      [REDACTED]
        [5-(3,3-diethyl-1-triazenyl)-1,3-phenylenebis(1,2-ethynediyl-5,1,3-
        benzeneacetylbis(2,1-ethynediyl-5,1,3-benzenetriylid-2,1-
        ethynediyl)]octakis-, hexadecaazabicyclo[1,1,1-dimethylethyl) ester (9CI) (CA
INDEX NAME)
MF      C202 H199 N3 O32
SR      STN File# : CA, CAPLUS
LC

```



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PAGE 1-B

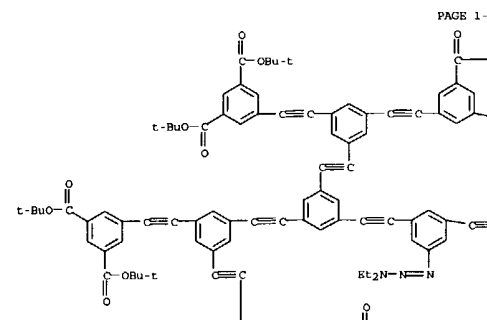
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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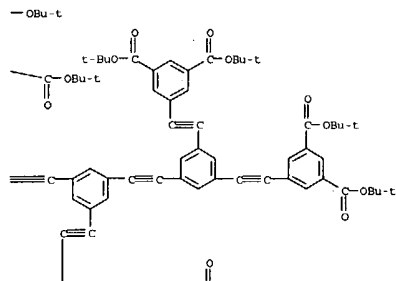
L6 ANSWER 6 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN
CN 32121-25-6 REGISTRY
CN 32121-25-6 2-[(1-[2-[3-[2-methoxy-3-[3-[(1-methyl-2(1H)-
MF pyridinylidene)amino]-1-propenyl]-5-(5-phenylmethyl)amino]phenyl]-2-
SR propenyl]amino]-2-oxoethyl]-, conjugate monoacid (9CI) (CA INDEX NAME)
LC C35 H38 N4 O4 . H

```

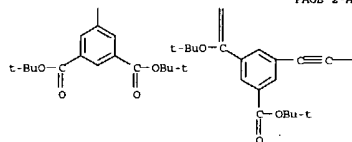


PAGE 1-A

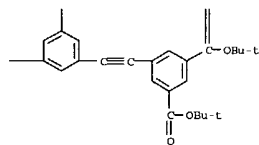
PAGE 1-B



PAGE 2-A



PAGE 2-B

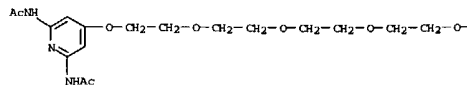


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

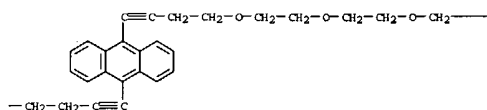
L6 ANSWER 8 OF 10 REGISTRY COPYRIGHT 2004 ACS ON STN
RN 149849-75-2 REGISTRY

CN Acetamide, N,N',N'',N'''-[9,10-anthracenediylbis(3,6,9,12-tetraoxahexadec-15-yne-16,1-diylloxydi-4,2,6-pyridinetriyl)]tetrakis- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C56 H68 N6 O14
SR CA
LC STN Files: CA, CAPLUS

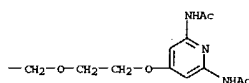
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

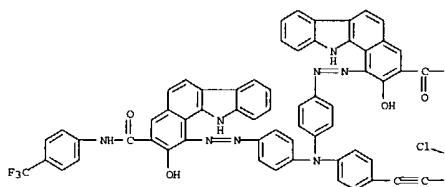
L6 ANSWER 9 OF 10 REGISTRY COPYRIGHT 2004 ACS ON STN
RN 134461-14-6 REGISTRY

ITERATION INCOMPLETE

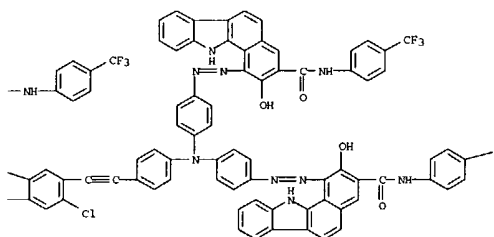
CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[(2,5-dichloro-1,4-phenylene)bis[2,1-ethynediyl-4,1-phenylenetrilobis(4,1-phenyleneazo)]]tetrakis[2-hydroxy-N-(4-(trifluoromethyl)phenyl)- (9CI)
(CA INDEX NAME)
MF C142 H82 Cl2 F12 N18 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

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CF₃

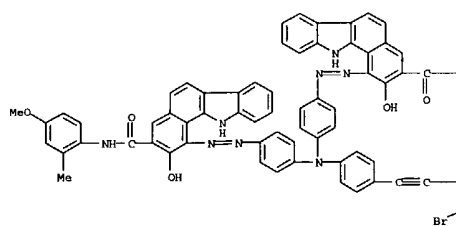
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 10 OF 10 REGISTRY COPYRIGHT 2004 ACS ON STN
RN 134427-21-7 REGISTRY

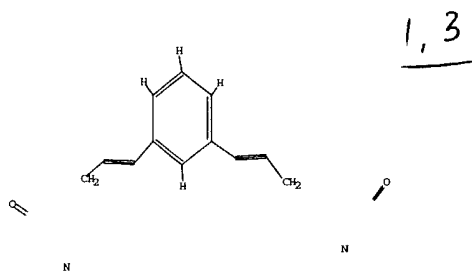
ITERATION INCOMPLETE

CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[(3,4-dibromo-2,5-thiophenediyl)bis[2,1-ethynediyl-4,1-phenylenetrilobis(4,1-phenyleneazo)]]tetrakis[2-hydroxy-N-(4-methoxy-2-methylphenyl)- (9CI) (CA INDEX NAME)
MF C144 H100 Br2 N18 O12 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

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***** RECONNECTED TO STN INTERNATIONAL *****
SESSION RESUMED IN FILE 'REGISTRY' AT 07:05:38 ON 30 MAR 2004
FILE 'REGISTRY' ENTERED AT 07:05:38 ON 30 MAR 2004
COPYRIGHT (C) 2004 American Chemical Society (ACS)



```
=> 8 17
SAMPLE SEARCH INITIATED 07:06:09 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 372 TO ITERATE
```

```
100.0% PROCESSED      372 ITERATIONS (      1 INCOMPLETE)      1 ANSWERS
SEARCH TIME: 00.00.01
```

```

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:   6283 TO      85
PROJECTED ANSWERS:      1 TO

```

L8 1 SEA SSS SAM L7

 $\Rightarrow d$

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 196929-11-0 REGISTRY

```

ITERATION INCOMPLETE
ON 1 2-Benzenedicarboxylic acid 5 5' 5'' 5''' 5'''' 5''''' 5'''''' 5'''''''

```

[[5-(3,3-diethyl-1-triazenyl)-1,3-phenylene]bis[2,1-ethynediyl-5,1,3-

benzenetriylbis(2,1-ethynediyl-5,1,3-benzenetriyldi-2,1-

ethynediyl]]octakis-, hexadecakis(1,1-dimethylethyl) ester (9CI) (CA

INDEX NAME)
MF C202 H199 N3 Q32

HF	C204	R199	NS	032
SR	CA			

LC STN File# CA, CAPLUS

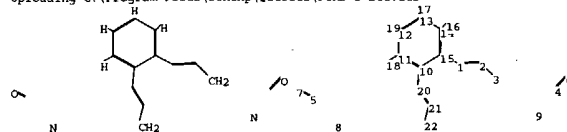
ENTR	SESSION
0.00	-0.69

42

```

C:\Program Files\Stnexp\Queries\FORD'S DOG.str

```



```

chain nodes :
1 2 3 4 5 6 7 8 9 16 17 18 19 20 21 22
ring nodes :
10 11 12 13 14 15
chain bonds :
1-2 1-15 2-3 4-6 5-7 10-20 11-18 12-19 13-17 14-16 20-21 21-22
ring bonds :
10-11 10-15 11-12 12-13 13-14 14-15
exact/norm bonds :
4-6 5-7
exact bonds :
1-2 1-15 2-3 10-20 11-18 12-19 13-17 14-16 20-21 21-22
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15

```

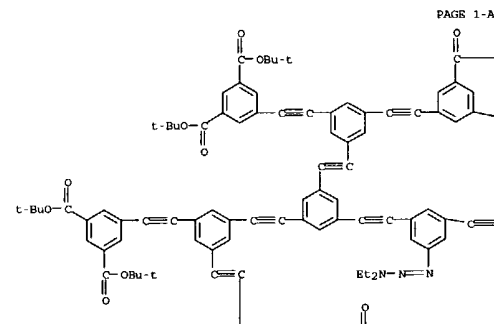
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Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS
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L7 STRUCTURE UPLOADED

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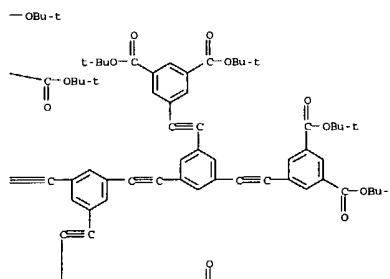
=> d 17
L7 HAS NO ANSWERS
L7                                STR

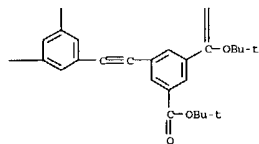
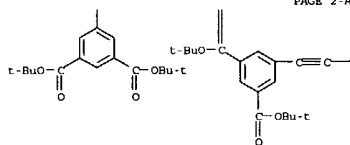
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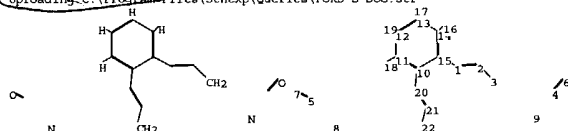
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> a 17 sss full
FULL SEARCH INITIATED 07:06:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 7968 TO ITERATE
100.0% PROCESSED 7968 ITERATIONS (42 INCOMPLETE) 51 ANSWERS
SEARCH TIME: 00.00.02

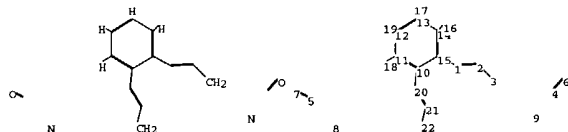
L9 51 SEA SSS FUL-L7

1.3 SEARCH

=> Uploading C:\Program Files\Stnexp\Queries\FORD'S DOG.str



chain nodes :
1 2 3 4 5 6 7 8 9 16 17 18 19 20 21 22
ring nodes :
10 11 12 13 14 15

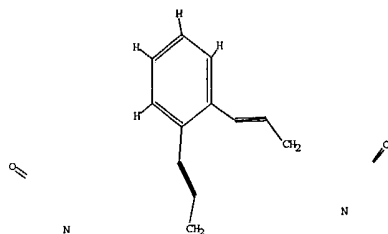


chain nodes :
1 2 3 4 5 6 7 8 9 16 17 18 19 20 21 22
ring nodes :
10 11 12 13 14 15
chain bonds :
1-2 1-15 2-3 4-6 5-7 10-20 11-18 12-19 13-17 14-16 20-21 21-22
ring bonds :
10-11 10-15 11-12 12-13 13-14 14-15
exact/norm bonds :
4-6 5-7
exact bonds :
1-2 1-15 2-3 10-20 11-18 12-19 13-17 14-16 20-21 21-22
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS

L12 STRUCTURE UPLOADED

=> d 112
L12 HAS NO ANSWERS
L12 STR

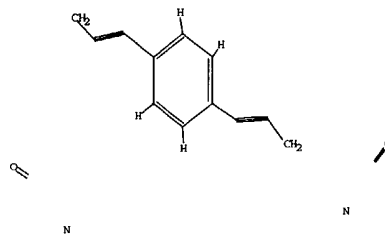


chain bonds :
1-2 1-15 2-3 4-6 5-7 10-20 11-18 12-19 13-17 14-16 20-21 21-22
ring bonds :
10-11 10-15 11-12 12-13 13-14 14-15
exact/norm bonds :
4-6 5-7
exact bonds :
1-2 1-15 2-3 10-20 11-18 12-19 13-17 14-16 20-21 21-22
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS

L10 STRUCTURE UPLOADED

=> d 110
L10 HAS NO ANSWERS
L10 STR



Structure attributes must be viewed using STN Express query preparation.

=> a 110 sss full
FULL SEARCH INITIATED 07:08:14 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 14013 TO ITERATE

100.0% PROCESSED 14013 ITERATIONS (61 INCOMPLETE) 89 ANSWERS
SEARCH TIME: 00.00.02

L11 89 SEA SSS FUL L10

1.4 SEARCH

=> Uploading C:\Program Files\Stnexp\Queries\FORD'S DOG.str

Structure attributes must be viewed using STN Express query preparation.

=> a 112 sss full
FULL SEARCH INITIATED 07:09:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4835 TO ITERATE

100.0% PROCESSED 4835 ITERATIONS (5 INCOMPLETE) 20 ANSWERS
SEARCH TIME: 00.00.01

L13 20 SEA SSS FUL L12

1.2 SEARCH

=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	488.25	651.70
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)		
CA SUBSCRIBER PRICE	0.00	-0.69

FILE 'CAPLUS' ENTERED AT 07:09:46 ON 30 MAR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 30 Mar 2004 VOL 140 ISS 14
FILE LAST UPDATED: 29 Mar 2004 (20040329/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 06:35:51 ON 30 MAR 2004)

FILE 'REGISTRY' ENTERED AT 06:55:26 ON 30 MAR 2004

L1 STRUCTURE UPLOADED
L2 19 S L1
L3 465 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 06:56:46 ON 30 MAR 2004
L4 115 S L3

FILE 'REGISTRY' ENTERED AT 07:02:42 ON 30 MAR 2004
L5 STRUCTURE UPLOADED
L6 10 S L5
L7 STRUCTURE UPLOADED
L8 1 S L7
L9 51 S L7 SSS FULL
L10 STRUCTURE UPLOADED

L11 89 S L10 SSS FULL
L12 STRUCTURE UPLOADED
L13 20 S L12 SSS FULL
FILE 'CAPLUS' ENTERED AT 07:09:46 ON 30 MAR 2004

=> s 19 or l11 or l13

19 L9
25 L11
7 L13
L14 33 L9 OR L11 OR L13

=> d l14 1-33 ibib abs hitetr

L14 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2004 ACS ON STN

ACCESSION NUMBER: 2003:792122 CAPLUS

DOCUMENT NUMBER: 140:146484

TITLE: Synthesis and reactivity of enediynyl amino acids and peptides: a novel concept in lowering the activation energy of Bergman cyclization by H-bonding and electrostatic interactions

AUTHOR(S): Basak, Amit; Sekhar Bag, Subhendu; Bdour, Huseam M. M.
CORPORATE SOURCE: Department of Chemistry, Indian Institute of Technology, Kharagpur, 721302, India

SOURCE: Chemical Communications (Cambridge, United Kingdom) (2003), (20), 2614-2615

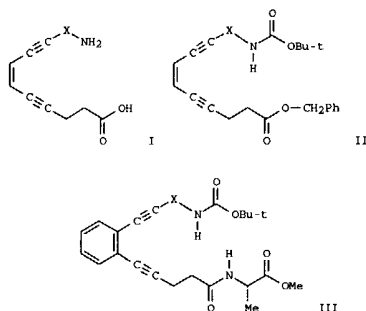
CODEN: CHCOPS; ISSN: 1359-7345

PUBLISHER: Royal Society of Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB Novel enediynyl amino acids and peptides I (X = CH2), II (X = CH2, CH2CH2) and III (X = CH2, CH2CH2) were synthesized and their thermal reactivity towards Bergman cyclization was studied and compared with the earlier

L14 ANSWER 2 OF 33 CAPLUS COPYRIGHT 2004 ACS ON STN

ACCESSION NUMBER: 2003:714474 CAPLUS

DOCUMENT NUMBER: 139:391808

TITLE: Synthesis and Energy Transfer Efficiency of FRET

Terminators Derived from Different Linkers

AUTHOR(S): Kumar, Shiv; Nampalli, Satyam; Finn, Patrick J.; Sudhakar Rao, T.; Chen, Chung-Yuan; Flick, Parke K.; Fuller, Carl W.

CORPORATE SOURCE: Amerham Biosciences, Piscataway, NJ, 08855, USA

SOURCE: Nucleosides, Nucleotides & Nucleic Acids (2003), 22(5-8), 1595-1598

CODEN: NNNAFY; ISSN: 1525-7770

PUBLISHER: Marcel Dekker, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A number of different energy transfer dye labeled-cassettes were synthesized using aminoacid based trifunctional linkers and coupled to the propargylamino-substituted dideoxynucleoside-5'-triphosphates (ddNTPs). These terminators were evaluated for their energy transfer efficiency and DNA sequencing potential using thermostable DNA polymerase.

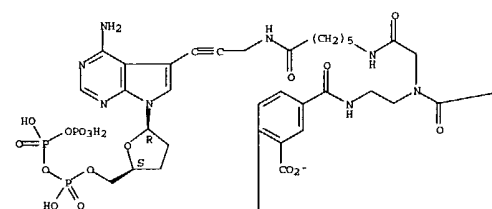
IT 625456-82-9P 625456-83-9P 625456-84-9P

RL: BUU (Biological use, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (synthesis and energy transfer efficiency of FRET terminators derived from different linkers)

RN 625456-82-8 CAPLUS
CN Xanthylum, 9-[4-[[[2-[[[2-[[[6-[[[3-[[4-amino-7-[(2R,5S)-tetrahydro-5-(3,5,7,7-tetrahydroxy-3,5,7-trioxido-2,4,6-trioxo-3,5,7-triphosphahept-1-yl)-2-furanyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-propynyl]amino]-6-oxohexyl]amino]-2-oxoethyl][4-[3-[[[3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-5-yl]carbonyl]amino]-1-propynyl]benzoyl]amino]ethyl]amino]carbonyl]-2-carboxyphenyl]-3,6-bis(dimethylamino)-2,7-dimethyl-, inner salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

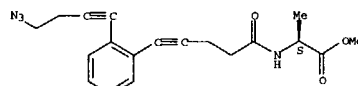
PAGE 1-A



reported amino acid I (X = CH2CH2), which demonstrated, for the first time, the effect of H-bonding and electrostatic interactions in lowering the activation energy of Bergman cyclization.

IT 651733-37-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of enediynyl amino acids and peptides and effect of H-bonding and electrostatic interactions in lowering activation energy of Bergman cyclization)
RN 651733-37-8 CAPLUS
CN L-Alanine, N-[5-[2-(4-azido-1-butynyl)phenyl]-1-oxo-4-pentynyl]-, methyl ester (9CI) (CA INDEX NAME)

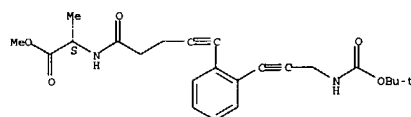
Absolute stereochemistry.



IT 651733-28-7P 651733-29-8P
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process) (preparation of enediynyl amino acids and peptides and effect of H-bonding and electrostatic interactions in lowering activation energy of Bergman cyclization and kinetics)

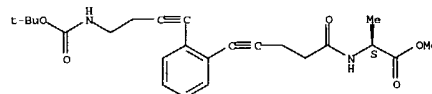
RN 651733-28-7 CAPLUS
CN L-Alanine, N-[5-[2-[3-[[[1,1-dimethylethoxy]carbonyl]amino]-1-propynyl]phenyl]-1-oxo-4-pentynyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

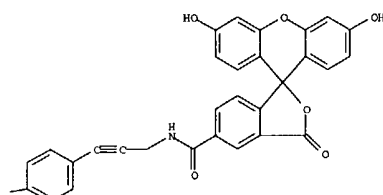


RN 651733-29-8 CAPLUS
CN L-Alanine, N-[5-[2-[4-[[[1,1-dimethylethoxy]carbonyl]amino]-1-butynyl]phenyl]-1-oxo-4-pentynyl]-, methyl ester (9CI) (CA INDEX NAME)

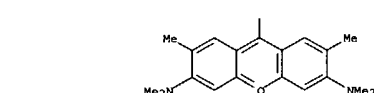
Absolute stereochemistry.



REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



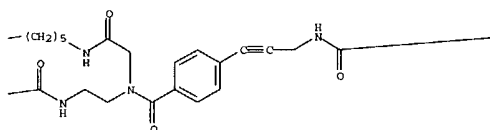
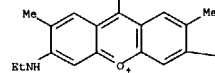
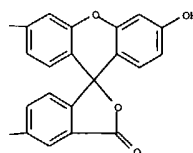
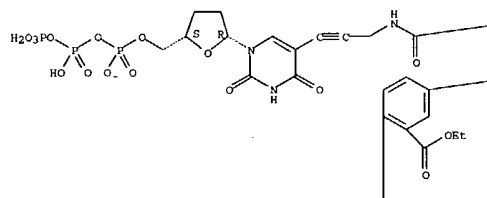
PAGE 1-B



PAGE 2-A

RN 625456-83-9 CAPLUS
CN Xanthylum, 9-[4-[[[2-[[[4-[[[3-[[[3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-5-yl]carbonyl]amino]-1-propynyl]benzoyl][2-oxo-2-[[[6-oxo-6-[[[3-[[[1,2,3,4-tetrahydro-2,4-dioxo-1-[(2R,5S)-tetrahydro-5-(3,5,7,7-tetrahydroxy-3,5,7-trioxido-2,4,6-trioxo-3,5,7-triphosphahept-1-yl)-2-furanyl]-5-pyrimidinyl]-2-propynyl]amino]hexyl]amino]ethyl]amino]ethyl]amino]carbonyl]-2-(ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7-dimethyl-, inner salt (9CI) (CA INDEX NAME)

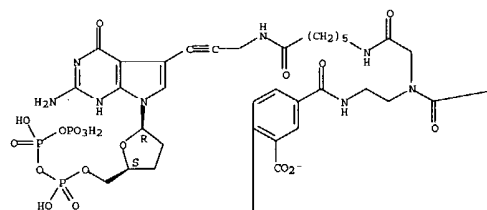
Absolute stereochemistry.



~~SECRET~~

RN 625456-84-0 CAPLUS
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 xanthylum-3-ylideneamino]-5,7,7-tetrahydroxy-3,5,7-trioxido-2,4,6-tri-
 oxo-3,7-triphenylhept-1-yl]-2-furanyl]-1H-1pyrrolo[2,3-d]pyrimidin-5-yl]-2-
 propenyl]amino]-6-oxohexyl]amino]-2-oxoethyl]-4-[3-[[3',6'-dihydroxy-3-
 oxopiro[[isobenzofuran-1(3H),9(7H)]xanthene]-5-yl]carbonyl]amino]-1-
 propenyl]benzoyl]amino]ethyl]amino]carbonyl]-2-carboxyphenyl]-, inner salt
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



LANGUAGE: English
AB A series of chage-modified, dye-labeled 2', 3'-dideoxynucleoside-5'-triphosphates have been synthesized and evaluated as reagents for dye-terminator DNA sequencing. Unlike the commonly used dye-labeled terminators, these terminators possess a net pos. charge and migrate in the opposite direction to the labeled nucleotides during electrophoresis. Post-sequencing reaction purification is not required to remove unreacted nucleotide or associated breakdown products prior to electrophoresis. Thus, DNA sequencing reaction mixtures can be loaded directly onto sequencing gels without medium or buffer changes. The charge-modified nucleotides have also been shown to be more efficiently incorporated by a number of DNA polymerases than regular dye-labeled dideoxynucleotide terminators or indeed normal dideoxynucleoside-5'-triphosphates.

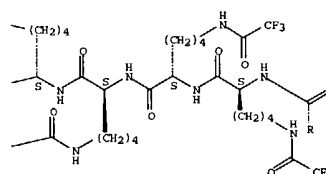
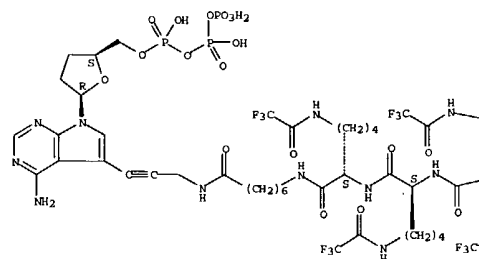
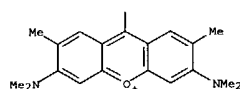
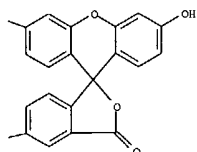
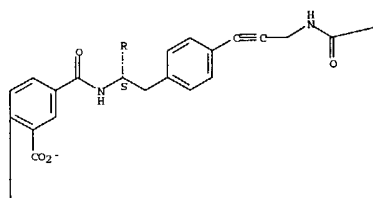
triphosphates.
IT 608520-72-5P 608520-73-6P 608520-86-1P
608520-87-2P
RL: ARG (Analytical reagent use); SPN (Synthetic preparation); ANST
(Analytical study); PRP (Preparation); USES (Uses)
(efficient incorporation of pos. charged 2', 3'-dideoxynucleoside-5'-
triphosphates by DNA polymerases and their application in direct-load
DNA sequencing)

[illegible]

Absolute stereochemistry.

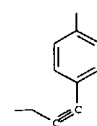
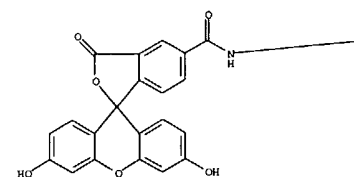
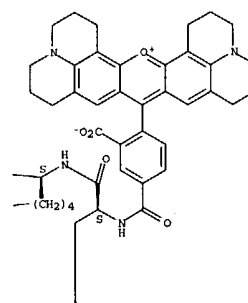
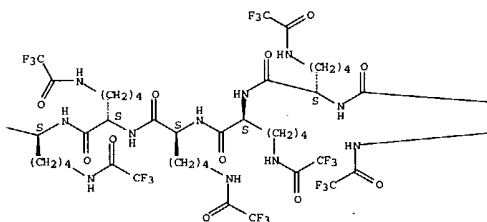
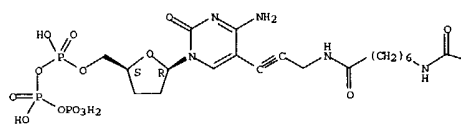
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 33 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:616857 CAPLUS
DOCUMENT NUMBER: 139:286905



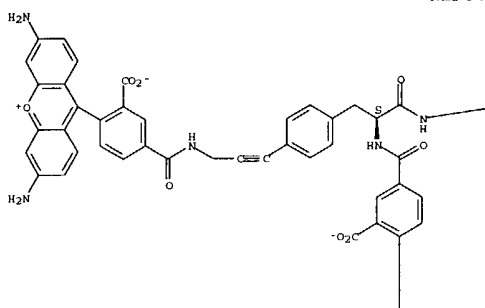
RN 608520-73-6 CAPLUS
 CN L-lysine, N-[3-carboxy-4-(2,3,6,7,12,13,16,17-octahydro-1H,5H,11H,15H-xantheno[2,3,4-i:j':5,6,7-i'j']diquinolizin-18-ium-9-yl)benzoyl]-4-[3-[(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-(9H)xanthen]-5-yl)carbonyl]amino]-1-propynyl]-L-phenylalanyl-N6-(trifluoroacetyl)-L-lysyl-N6-(trifluoroacetyl)-L-lysyl-N6-(trifluoroacetyl)-L-lysyl-N6-(trifluoroacetyl)-L-lysyl-N6-(trifluoroacetyl)-, inner salt, 7-amide with 5-[3-[[7-amino-1-oxoheptyl]amino]-1-propynyl]-2',3'-dideoxyuridine 5'-(tetrahydrogen triphosphate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

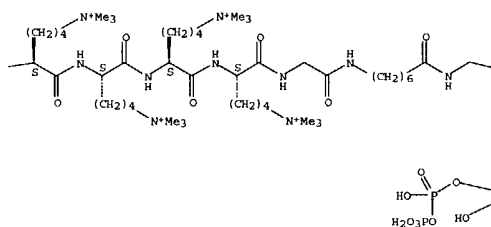


RN 608520-86-1 CAPLUS
 CN Glycinamide, N-[4-[3,6-bis(dimethylamino)-2,7-dimethylxanthylum-9-yl]-3-carboxybenzoyl]-4-[3-[[3-carboxy-4-(3,6-diaminoxanthylum-9-yl)benzoyl]amino]-1-propynyl]-L-phenylalanyl-6-(trimethylammonio)-L-norleucyl-6-(trimethylammonio)-L-norleucyl-6-(trimethylammonio)-L-norleucyl-N-[7-[[3-[4-amino-7-[(2R,5S)-tetrahydro-5-(3,5,7,7-tetrahydroxy-3,5,7-trioxido-2,4,6-trioxo-3,5,7-triphosphahex-1-yl)-2-furanyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-propynyl]amino]-7-oxoheptyl]-, bis(inner salt) (9CI) (CA INDEX NAME)

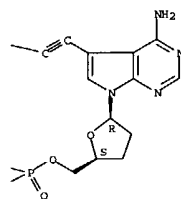
Absolute stereochemistry.



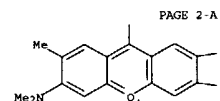
PAGE 1-A



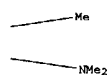
PAGE 1-B



PAGE 1-C



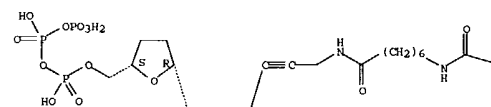
PAGE 2-A



PAGE 2-B

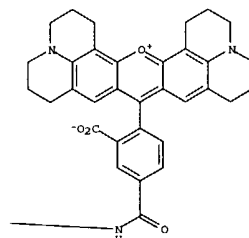
RN 608520-87-2 CAPLUS
 CN Glycine, 4-[3-[[3-carboxy-4-(3,6-diaminoxanthylum-9-yl)benzoyl]amino]-1-propynyl]-N-[3-carboxy-4-(2,3,6,7,12,13,16,17-octahydro-1H,5H,11H,15H-xantheno[2,3,4-i]5,6,7-i']diquinolizin-10-ium-9-yl)benzoyl]-L-phenylalanyl-6-(trimethylammonio)-L-norleucyl-6-(trimethylammonio)-L-norleucyl-6-(trimethylammonio)-L-norleucyl-, bis(inner salt), 6-amide with 5-[3-[(7-amino-1-oxoheptyl)amino]-1-propynyl]-2',3'-dideoxyuridine 5'-(tetrahydrogen triphosphate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

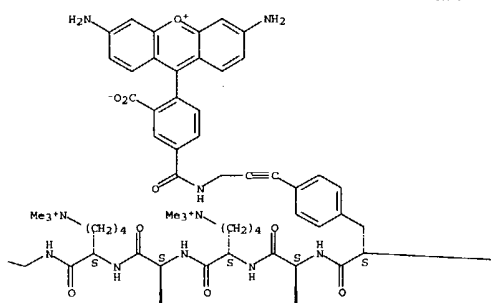


PAGE 1-A

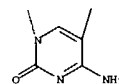
PAGE 1-C



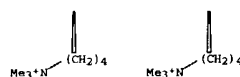
PAGE 2-A



PAGE 1-B



PAGE 2-B



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 4 OF 33 CAPLUS COPYRIGHT 2004 ACS ON STN
 ACCESSION NUMBER: 2003:581556 CAPLUS
 DOCUMENT NUMBER: 140:159480
 TITLE: Structural analysis of high affinity divalent phosphopeptide hybrids of spleen tyrosine kinase
 AUTHOR(S): Catalina, M. Isabel; Dekker, Frank J.; Liskamp, Rob M. J.; Versluis, Coes; Maier, Claudia S.; Heck, Albert J. R.
 CORPORATE SOURCE: Bijvoet Centre for Biomolecular Research and Utrecht Institute for Pharmaceutical Sciences (UIPS), Department of Biomolecular Mass Spectrometry, Utrecht University, Utrecht, 3584 CA, Netherlands
 SOURCE: International Journal of Mass Spectrometry (2003), 228(2-3), 879-890

PUBLISHER:
DOCUMENT TYPE:
LANGUAGE:

CODEN: IMSPF8; ISSN: 1387-3806
Elsevier Science B.V.

PAGE 1-B

AB A set of synthetic phosphorylated peptidomimetic inhibitors of spleen tyrosine kinase (Syk), targeted towards its two tandem Src homol.-2 (SH2) domains, was studied by nano-electrospray tandem mass spectrometry in both pos. and neg. ionization mode. The design of the peptidomimetic compds. was based on the replacement of the intervening amino acid sequence of a Syk-binding di-phosphopeptide by non-peptide spacers based on either ethylene glycol or amino-propynyl-benzoate. Collision-induced dissociation (CID) spectra of the protonated mol. ions $[M+H]^+$ allowed full characterization of the peptide hybrids. Preferred cleavage at the amide bond N-terminal to the adjacent polyethylene glycol (PEG) and the propynyl-benzoate (PBB) linkers was observed. In general, it thus appears that preferred sequential amino acid fragmentation takes place from the N-terminus up to the linker mol. followed by subsequent internal fragmentation starting at the C-terminus. Addnl., tandem CID spectra of the doubly de-protonated mol. ions $[M-2H]^{2-}$ of every compound showed the m/z 79/97 phosphate-specific ions plus a remarkably intense ion at m/z 297. The mechanism proposed for the m/z 297-ion occurrence goes through a five-membered ring formation giving an N-terminal pyroGlu structure as derived from MSn spectra.

IT 565215-26-1

RL: PRP (Properties)

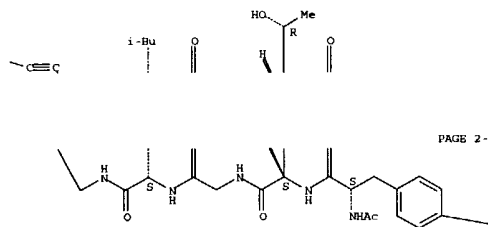
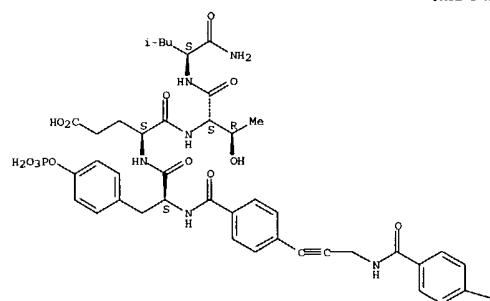
(fragmentation pattern of phosphorylated peptidomimetic inhibitors of spleen tyrosine kinase by nano-electrospray tandem mass spectrometry in both pos. and neg. ionization mode)

RN 565215-26-1 CAPLUS

CN L-Leucinamide, N-acetyl-O-phosphono-L-tyrosyl-L-threonylglycyl-L-leucyl-4-(3-amino-1-propynyl)benzoyl-4-(3-amino-1-propynyl)benzoyl-O-phosphono-L-tyrosyl-L- α -glutamyl-L-threonyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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PAGE 2-B

—OPO₃H₂

PAGE 2-C

REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 5 OF 33 CAPLUS COPYRIGHT 2004 ACS ON STN

ACCESSION NUMBER: 2003:403795 CAPLUS

DOCUMENT NUMBER: 139:130257

TITLE: A europium chelate for quantitative point-of-care immunoassays using direct surface measurement von Lode, Pia; Rosenberg, Jaana; Pettersson, Kim; Takalo, Harri

CORPORATE SOURCE: Department of Biotechnology, University of Turku, Turku, FIN-20520, Finland

SOURCE: Analytical Chemistry (2003), 75(13), 3193-3201

PUBLISHER:
DOCUMENT TYPE:
LANGUAGE:

CODEN: ANCHAM; ISSN: 0003-2700
American Chemical Society
Journal

PAGE 1-B

AB New labels and assay techniques are needed to improve the sensitivity and quantitativensess of point-of-care immunotesting while sustaining the rapidity and ease of use of the assays. We synthesized a novel, intrinsically fluorescent nonadentate europium chelate with two chromophores and hydrophilic α -galactose side groups. The chelate is highly fluorescent, soluble in water, and provides effective shielding of Eu from water. The performance of the nonadentate chelate was compared with a heptadentate chelate in a dry reagent immunoassay for human chorionic gonadotropin (hCG). After 15-min incubation and washing, time-resolved fluorescence was measured directly from a wet or dried well surface. Contrary to the heptadentate label, the effect of aqueous quenching on the nonadentate label was found to be insignificant, with calculated anal. detection limits (background + 3 SD) of 0.9 and 0.7 IU/L hCG for wet and dry measurements, resp., and a linear range up to 5000 IU/L. The CVs for the new label were <8% at the cutoff of 25 IU/L and above in both whole blood and plasma. The novel nonadentate label facilitates short turnaround times and simple instrumentation due to the absence of all signal development steps, at the same time retaining an excellent immunoassay performance.

IT 565230-36-6P 565230-37-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

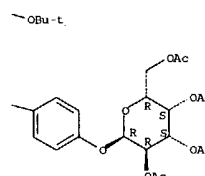
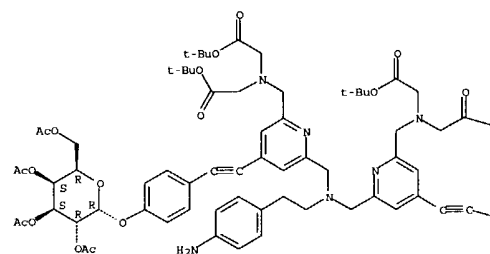
(europium chelate for quant. point-of-care immunoassays using direct surface measurement)

RN 565230-36-6 CAPLUS

CN Glycine, N,N'-[[[2-(4-aminophenyl)ethyl]imino]bis[methylene[4-[[4-[[2,3,4,6-tetra-O-acetyl- α -D-galactopyranosyl]oxyl]phenyl]ethynyl]-6,2-pyridinediyl]methylene]]bis[N-[2-(1,1-dimethylethoxy)-2-oxoethyl]-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

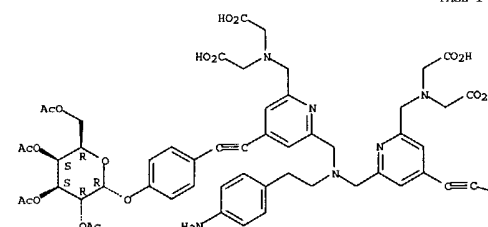


RN 565230-37-7 CAPLUS

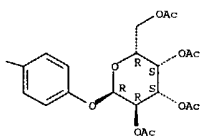
CN Glycine, N,N'-[[[2-(4-aminophenyl)ethyl]imino]bis[methylene[4-[[4-[[2,3,4,6-tetra-O-acetyl- α -D-galactopyranosyl]oxyl]phenyl]ethynyl]-6,2-pyridinediyl]methylene]]bis[N-(carboxymethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



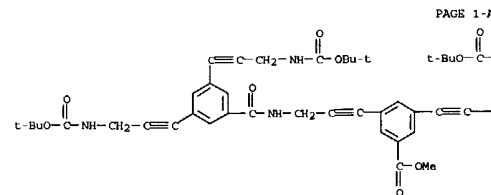
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of rigidified multivalent lactose mols. and a route to mammalian galectins selective inhibitors)
 RN 566920-08-9 CAPLUS
 CN Benzoic acid, 3,5-bis[3-[[[3,5-bis[3-[[[1,1-dimethylethoxy]carbonyl]amino]-1-propynyl]benzoyl]amino]-1-propynyl]-, methyl ester (9CI) (CA INDEX NAME)



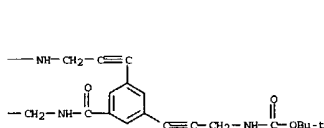
REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 6 OF 33 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:325377 CAPLUS
 DOCUMENT NUMBER: 139:133745
 TITLE: Rigidified multivalent lactose molecules and their interactions with mammalian galectins: A route to selective inhibitors
 AUTHOR(S): Vraasidas, Ioannis; Andre, Sabine; Valentini, Paola; Bock, Corina; Lensch, Martin; Kaltner, Herbert; Liskamp, Rob M. J.; Gabius, Hans-J.; Pieters, Roland J.
 CORPORATE SOURCE: Department of Medicinal Chemistry, Utrecht Institute for Pharmaceutical Sciences, Utrecht University, Utrecht, NL-3508 TB, Neth.
 SOURCE: Organic & Biomolecular Chemistry (2003), 1(5), 803-810
 CODEN: OBCRAK; ISSN: 1477-0520
 PUBLISHER: Royal Society of Chemistry
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 139:133745
 AB New and rigid multivalent lactose mols. were prepared. The structures contain lactose-2-aminothiazole units at the periphery that were formed from a cyclization of the thiourea sulfur onto the triple bond of the spacer. The lactosides were evaluated as inhibitors against lectin binding in a solid phase inhibition assay. In this assay the glycoprotein asialofetuin was immobilized onto the surface of micro-titer plate wells, mimicking cell surface presentation, while mammalian galectins-1, -3 or -5 were in solution. Between the three galectins, the folding pattern and sequence are closely related but the topol. of presentation of the carbohydrate recognition domains differs. Strong multivalent effects were observed for the tetravalent lactoside in the inhibition of galectin-3 binding with enhancements of almost 4300-fold compared to lactose. Remarkable selectivity was obtained in the inhibition since relative potencies of the tetravalent lactoside with the proto type galectins-1 and -5 did not exceed a factor of 143 relative to lactose. The binding of the lactosides to galectin-3 was also studied by fluorescence spectroscopy with all components in solution. These studies showed no multivalency effects in the inherent binding affinities.

IT 566920-08-9P 566920-13-6P



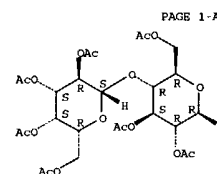
PAGE 1-A



PAGE 1-B

RN 566920-13-6 CAPLUS
 CN Benzoic acid, 3,5-bis[3-[[[3,5-bis[(Z)-[2-[[2,3,6-tri-O-acetyl-4-O-(2,3,4,6-tetra-O-acetyl-β-D-galactopyranosyl)]β-D-glucopyranosyl]amino]-5(4H)-thiazolylidene]methyl]benzoyl]amino]-1-propynyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



PAGE 1-A

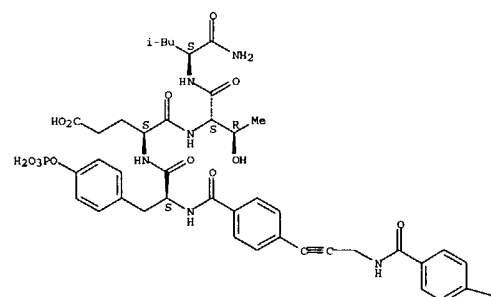
CORPORATE SOURCE: E.; Liskamp, Rob M. J.
 Utrecht Institute of Pharmaceutical Sciences,
 Department of Medicinal Chemistry, Utrecht University,
 TB Utrecht, 3508, Neth.
 SOURCE: Bioorganic & Medicinal Chemistry Letters (2003),
 13(7), 1241-1244
 CODEN: BMCLEB; ISSN: 0960-894X
 PUBLISHER: Elsevier Science B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB The construction of rigid spacers composed of amino propynyl benzoic acid building blocks is described. These spacers were used to link two phosphopeptide ligand sites towards obtaining divalent ligands with a high affinity for Syk tandem SH2 domains, which are important in signal transduction. The spacer containing two of those rigid building blocks led to a ligand which was as active as the natural ligand, indicating that this building block can be used in the design and synthesis of high affinity divalent constructs that can successfully interfere with crucial protein-protein interactions.

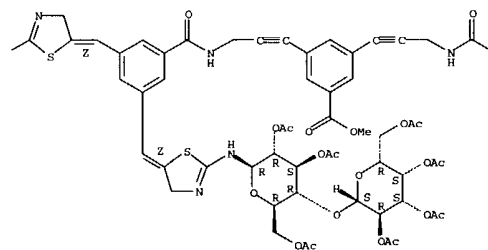
IT 565215-26-1
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (amino propynyl benzoic acid building block in rigid spacers of divalent ligand peptide binding to Syk kinase SH2 domains)
 RN 565215-26-1 CAPLUS
 CN L-Leucinamide, N-acetyl-O-phosphono-L-tyrosyl-L-threonylglycyl-L-leucyl-4-(3-amino-1-propynyl)benzoyl-4-(3-amino-1-propynyl)benzoyl-O-phosphono-L-tyrosyl-L-α-glutamyl-L-threonyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

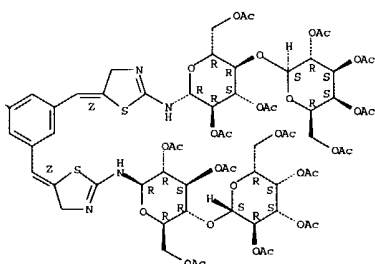
PAGE 1-A



PAGE 1-B



PAGE 1-C



REFERENCE COUNT: 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 7 OF 33 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:236050 CAPLUS
 DOCUMENT NUMBER: 139:113514
 TITLE: Amino propynyl benzoic acid building block in rigid spacers of divalent ligands binding to the Syk SH2 domains with equally high affinity as the natural ligand
 AUTHOR(S): Dekker, Frank J.; de Mol, Nico J.; Fischer, Marcel J.

L14 ANSWER 10 OF 33 CAPIJUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2002:790620 CAPIJUS
 DOCUMENT NUMBER: 138:153742
 TITLE: Sialoadhesin clusters as potential ligands for siglecs
 (sialoadhesine)
 AUTHOR(S): Gan, Zhonghong; Roy, Rene
 CORPORATE SOURCE: Department of Chemistry, Center for Research in
 Biopharmaceuticals, University of Ottawa, Ottawa, ON,
 K1N 6N5, Can.
 SOURCE: Canadian Journal of Chemistry (2002), 80(8), 908-916
 CODEN: CJCHAG; ISSN: 0008-4042
 PUBLISHER: National Research Council of Canada
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 138:153742
 GT

AB Clusters of 0-rund 5-linked α -sialosides with valencies of two to four were constructed to serve as potential multivalent inhibitors towards sialoadhesins (siglecs). Thus, 0- and S-prop-2-ynyl α -sialosides, together with 4-iodophenyl sialoside were prepared from an acetochloronuranic acid derivative using silver salicylate and propargyl alcohol, or phase-transfer catalysis. Oxidative acetylenic homocoupling under GlazC conditions (CuCl₂, 02) provided 1,3-diynes I (X = 0 or S; Y = -CH₂C₆H₄nbond.CC.tnbond.CCH₂) in 83-86% yields. Palladium catalyzed

Absolute stereochemistry. Rotation (+).

— OAC

RN 494848-89-4 CAPLUS
CN α -Neuraminic acid, 2,2',2''-O-(1,3,5-benzenetriyltri-2-propyne-3,1-diyl)tris[N-acetyl-, trimethyl ester, 4,4',4'',7,7',7'',8,8',8'',9,9',9''-dodecaacetate (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

IT	494848-87-2P	RL: RCT (Reactant); SPN (Synthetic Preparation); PRP (Preparation); RACT (Reactant or reagent)
RN	494848-87-2 CAPLUS	(preparation of sialoside clusters as potential ligands for siglecs using a variety of metal-catalyzed cross-coupling reactions of propynyl α -sialosides)
CN	494848-87-2 CAPLUS	α -Neuraminic acid, 2,2'-S-[1,4-phenylened-1,2-propyne-3,1-diyl]bis(N-acetyl-3,2-thio-, dimethyl ester, 4',4',7',7',8',8',9',9'-octaacetate (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+)

PAGE 1-B

 —OAc

IT 494848-85-0P 494848-89-4P 494848-91-8P
494848-93-0P 494848-99-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of sialoside clusters as potential ligands for siglecs using a

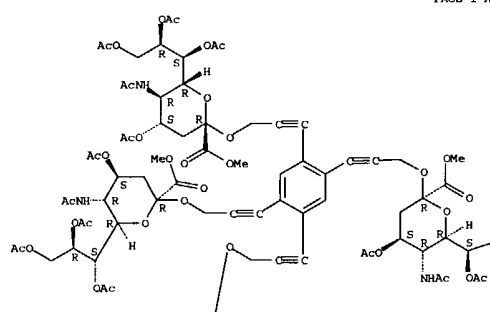
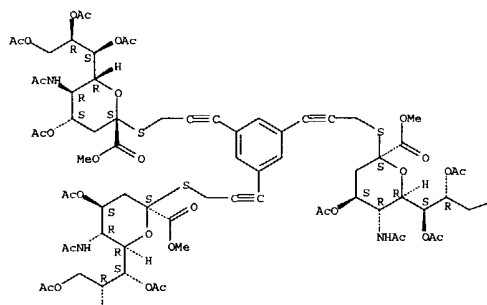
PAGE 1-A

PAGE 1 - B

QAC

		PAGE 2-A
	$\begin{array}{c} \\ \text{OAc} \end{array}$	
RN	494648-91-8	CAPLUS
CN	n-Neuraminic acid, 2',2'',5'-(1,3,5-benzenetriyltri-2-propyne-3,1-diyl)tris(N-acetyl-2-thio-, trimethyl ester, 4,4',4'',7,7',7'',8,8',8'',9,9',9'',dodecaacetate (9CI) (CA INDEX NAME)	

Absolute stereochemistry. Rotation (+).

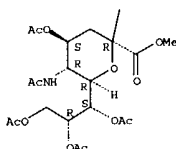


OAc

OAc

RN 494848-93-0 CAPLUS
 CN α -Neuraminic acid, 2,2',2'',2'''-O-(1,2,4,5-benzenetetratetra-2-propyne-3,1-diyl)tetrakis[N-acetyl-, tetramethyl ester, 4,4',4'',4''',7,7',7'',7'''-8,8',8'',8''',9,9',9'',9'''-hexadecaacetate (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 494848-99-6 CAPLUS
 CN α -Neuraminic acid, 2,2'-S-(1,4-phenylenedi-2-propyne-3,1-diyl)bis[N-acetyl-2-thio- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002074733	A2	20020926	WO 2002-EP2675	20020312
WO 2002074733	A3	20030925		
W: AE, AL, AU, BA, BG, BR, CA, CN, CO, CU, CZ, DZ, EC, SE, GE, HR, HU, ID, IL, IN, IS, JP, KR, LT, LV, NA, MK, MX, NO, NZ, PH, PL, RO, SG, SI, SK, TN, UA, US, VN, YU, ZA, ZN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
EP 1370518	A2	20031217	EP 2002-724222	20020312
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRIORITY APPL. INFO.:		EP 2001-106541 A 20010315		
		WO 2002-EP2675 W 20020312		

OTHER SOURCE(S): MARPAT 137:247507

AB KIA1MA2K2 (M = bispropynylphenyl, bispropynoxyphenyl, bispropynylpyridyl, bispropynyltriazinyl, etc.; A1 = A3B1A5; A2 = A4B2A6; K1 = B3X1, B3Y1, B3Z1B5X1; K2 = B4X2, B4Y2, B4Z2B6X2; A3, A4 = CO, O2C, CONH, NHCO2, NHCONH, etc.; A5 = CONR2, O2CNR2, etc.; A6 = CONR3, O2CNR3; B1, B2 = alkylene, cyclohexylene, phenylene, piperazinylene, piperidinylene; B3-B5 = bond, alkylene; X1, X2 = amino, aminocarbonyl, amidino; Y1, Y2 = imidazol-1-yl; Z1, Z2 = pyridinylene, piperidinylene, indazolylene, phenylene, cyclohexylene), were prepared. Thus, O-(benzotriazol-1-yl)-N,N,N',N'-tetramethyluronium hexafluorophosphate (HBTU) is added to a suspension of 3-[4-(tert-butoxycarbonylaminoethyl)phenyl]propionic acid (preparation given) in CH₂Cl₂ and DIPEA, and the mixture is stirred at RT for 20 min. 1,4-bis[N-(ethoxycarbonylmethyl)amino-3-(ethylaminocarbonyloxy)prop-1-ynyl]benzene is then added, and the mixture is stirred at RT overnight to give 1,4-bis[N-(3-(4-tert-butoxycarbonylaminoethyl)phenyl)propionyl]-N-(ethoxycarbonylmethyl)amino-3-(ethylaminocarbonyloxy)prop-1-ynyl]benzene. The latter was stirred with HCl in dioxane for 4 h to give 1,4-bis[N-(3-(4-aminomethyl)phenyl)propionyl]-N-(ethoxycarbonylmethyl)amino-3-(ethylaminocarbonyloxy)prop-1-ynyl]benzene dihydrochloride. The latter inhibited human tryptase with Kiapp = 0.035 μ M.

IT 460742-79-4P 460742-81-8P 460742-85-2P

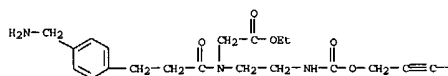
460742-87-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of bisalkynylarenes as tryptase inhibitors)

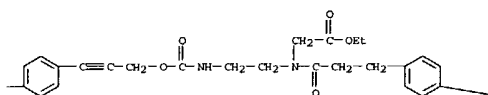
RN 460742-79-4 CAPLUS

CN α -Neuraminic acid, 2,2'-[1,4-phenylenebis(2-propyne-3,1-dioxy)carbonylimino-2,1-ethanediyloxy]bis[N-(3-[4-(aminomethyl)phenyl]-1-oxopropyl)-, diethyl ester (9CI) (CA INDEX NAME)

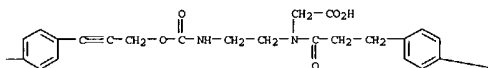
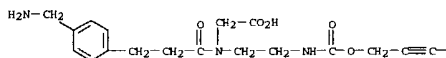


REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

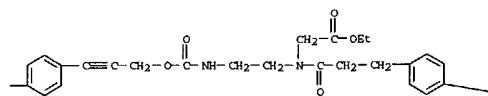
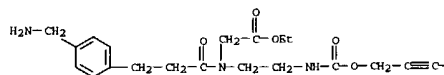
114 ANSWER 11 OF 33 CAPLUS COPYRIGHT 2004 ACS ON STM
 ACCESSION NUMBER: 2002:736221 CAPLUS
 DOCUMENT NUMBER: 137:247507
 TITLE: Preparation of bisalkynylarenes as tryptase inhibitors
 INVENTOR(S): Baer, Thomas; Stadlwieser, Josef; Mollin, Stefan-Lutz; Zech, Karl; Sommerhoff, Christian P.; Martin, Thomas; Ulrich, Wolf-Ruediger
 PATENT ASSIGNEE(S): Altana Pharma A.-G., Germany
 SOURCE: PCT Int. Appl., 38 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1



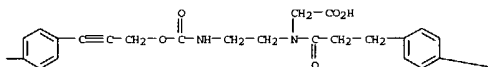
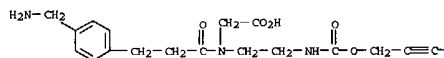
RN 460742-81-8 CAPLUS
CN Glycine, N,N'-[1,4-phenylenebis(2-propyne-3,1-diethoxycarbonylimino-2,1-ethanediyl)]bis[N-[3-[4-(aminomethyl)phenyl]-1-oxopropyl]- (9CI) (CA INDEX NAME)



RN 460742-85-2 CAPLUS
CN Glycine, N,N'-[1,4-phenylenebis(2-propyne-3,1-diethoxycarbonylimino-2,1-ethanediyl)]bis[N-[3-[4-(aminomethyl)phenyl]-1-oxopropyl]-, diethyl ester, dihydrochloride (9CI) (CA INDEX NAME)

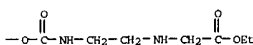
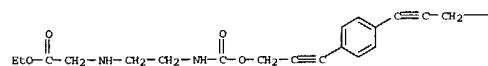


RN 460742-87-4 CAPLUS
CN Glycine, N,N'-[1,4-phenylenebis(2-propyne-3,1-diethoxycarbonylimino-2,1-ethanediyl)]bis[N-[3-[4-(aminomethyl)phenyl]-1-oxopropyl]-, dihydrochloride (9CI) (CA INDEX NAME)

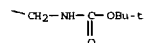
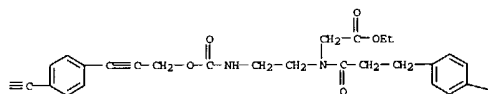
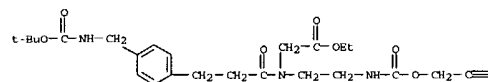


IT 460742-94-3P 460742-96-5P 460742-98-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of bisalkynylarenes as tryptase inhibitors)

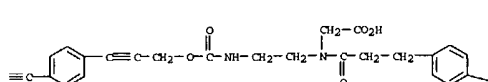
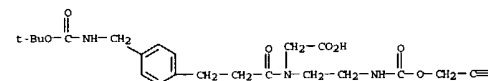
RN 460742-94-3 CAPLUS
CN Glycine, N,N'-[1,4-phenylenebis(2-propyne-3,1-diethoxycarbonylimino-2,1-ethanediyl)]bis-, diethyl ester (9CI) (CA INDEX NAME)

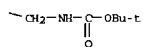


RN 460742-96-5 CAPLUS
CN Glycine, N,N'-[1,4-phenylenebis(2-propyne-3,1-diethoxycarbonylimino-2,1-ethanediyl)]bis[N-[3-[4-[[[1,1-dimethylethoxy]carbonyl]amino]methyl]phenyl]-1-oxopropyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 460742-98-7 CAPLUS
CN Glycine, N,N'-[1,4-phenylenebis(2-propyne-3,1-diethoxycarbonylimino-2,1-ethanediyl)]bis[N-[3-[4-[[[1,1-dimethylethoxy]carbonyl]amino]methyl]phenyl]-1-oxopropyl]- (9CI) (CA INDEX NAME)





L14 ANSWER 12 OF 33 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:554920 CAPLUS

DOCUMENT NUMBER: 137:305335

TITLE: Synthesis and application of charge-modified dye-labeled dideoxynucleoside-5'-triphosphates to "direct-load" DNA sequencing

AUTHOR(S): Finn, Patrick J.; Sun, Lei; Nampalli, Satyam; Xiao, Haiguang; Nelson, John R.; Mamone, J. Anthony; Grossmann, Greg; Flick, Parke K.; Fuller, Carl W.; Kumar, Shiv

CORPORATE SOURCE: Amersham Biosciences, Piscataway, NJ, 08855-1327, USA

SOURCE: Nucleic Acids Research (2002), 30(13), 2877-2885

CODEN: NARHAD; ISSN: 0305-1048

PUBLISHER: Oxford University Press

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A novel series of charge-modified, dye-labeled 2',3'-dideoxynucleoside-triphosphate terminators were synthesized and evaluated as reagents for DNA sequencing. These terminators possess an advantage over existing reagents in that no purification is required to remove unreacted nucleotide or associated breakdown products prior to electrophoretic separation of the sequencing fragments. This obviates the need for a time consuming post-reaction work up, allowing direct loading of DNA sequencing reaction mixts. onto a slab gel. Therma Sequenase II DNA polymerase poorly incorporates the charge-modified terminators compared with regular dye-labeled terminators. However, extending the linker arm between dye and nucleotide and using a mutant form of a related DNA polymerase can in part mitigate the decrease in substrate efficiency. We also present evidence that these charge-modified terminators can relieve gel compression artifacts when used with dGTP in sequencing reactions.

IT 470666-77-4P 470666-78-5P

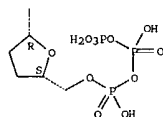
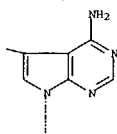
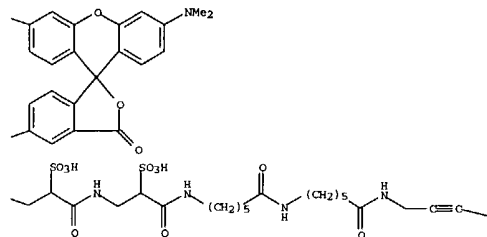
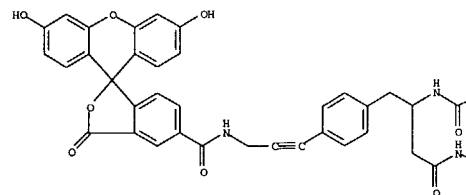
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(synthesis and application of charge-modified dye-labeled ddNTPs to "direct-load" DNA sequencing)

RN 470666-77-4 CAPLUS

CN β -Alaninamide, N-[3-[[[3',6'-bis(dimethylamino)-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-5-yl]carbonyl]amino]-4-[4-[[[3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-5-yl]carbonyl]amino]-1-propynyl]phenyl]-1-oxobutyl]-2-sulfo- β -alanyl-N-[6-[[[6-[[[3-[4-amino-7-[(2R,5S)-tetrahydro-5-(3,5,7,7-tetrahydroxy-3,5,7-trioxido-2,4,6-trioxo-3,5,7-triphosphahept-1-yl)-2-furanyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-propynyl]amino]-6-oxohexyl]amino]-6-oxohexyl]-2-sulfo-(9CI) (CA INDEX NAME)

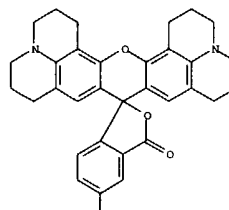
Absolute stereochemistry.

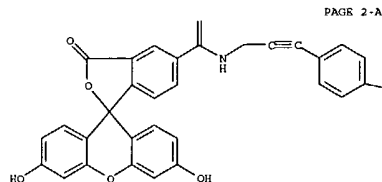


RN 470666-78-5 CAPLUS

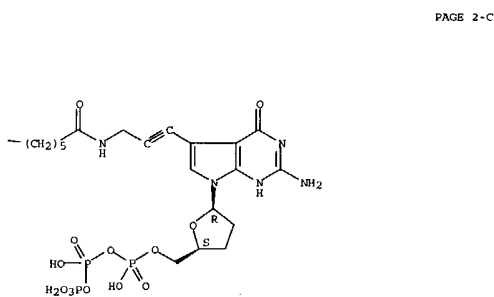
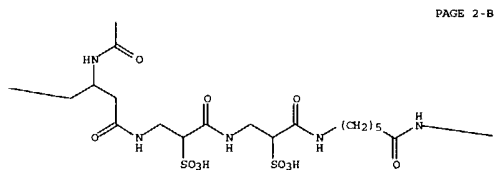
CN β -Alaninamide, N-[4-[4-[[[3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-5-yl]carbonyl]amino]-1-propynyl]phenyl]-3-[[[2',3',6',7',12',13',16',17'-octahydro-3-oxospiro[isobenzofuran-1(3H),9'-[1H,5H,9H,11H,15H]xantheno[2,3,4-ij:5,6,7-i'j']diquinolizin]-5-yl]carbonyl]amino]-1-oxobutyl]-2-sulfo- β -alanyl-N-[6-[[[3-[2-amino-4,7-dihydro-4-oxo-7-[(2R,5S)-tetrahydro-5-(3,5,7,7-tetrahydroxy-3,5,7-trioxido-2,4,6-trioxo-3,5,7-triphosphahept-1-yl)-2-furanyl]-1H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-propynyl]amino]-6-oxohexyl]amino]-6-oxohexyl]-2-sulfo-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



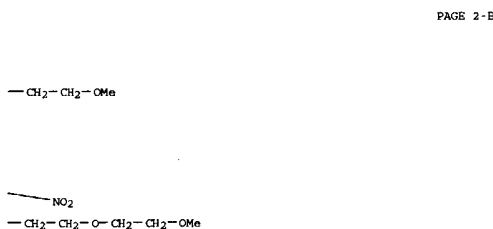
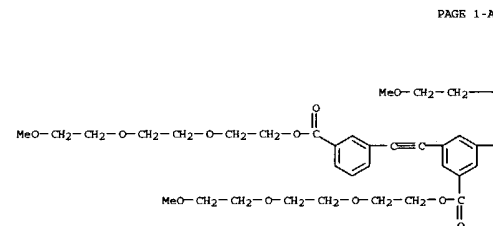
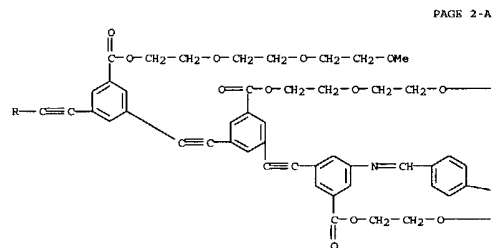
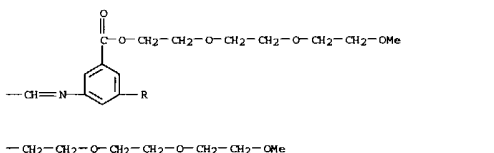
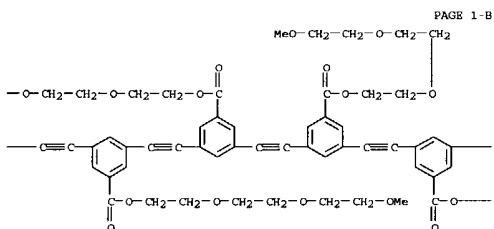


DOCUMENT NUMBER: 137:79329
 TITLE: The Size-Selective Synthesis of Folded Oligomers by Dynamic Templatation
 AUTHOR(S): Nishinaga, Tohru; Tanatani, Aya; Oh, Keunchan; Moore, Jeffrey S.
 CORPORATE SOURCE: Roger Adams Laboratory, Department of Chemistry and Materials Science and Engineering, University of Illinois at Urbana-Champaign, Urbana, IL, 61801, USA
 SOURCE: Journal of the American Chemical Society (2002), 124(21), 5934-5935
 CODEN: JACSAT; ISSN: 0002-7863
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB A dynamic pool of m-phenylene ethynylene oligomers generated by sequence ligation using the imine metathesis reaction was equilibrated under a variety of conditions, and the mixture of products was analyzed by HPLC. The equilibration was performed in the presence and absence of rodlike ligand (1), which exhibits an affinity for the helical oligomers that is length specific. Among the eight oligomers generated during metathesis equilibrium, the formation of 22-mer was enhanced in acetonitrile in the presence of 1. This particular binding affinity has the highest binding affinity for 1. Quant. anal. by HPLC of the products indicated that 22-mer was produced in 66% yield in the presence of 2 equiv 1 while a 37% yield was produced in the absence of 1. Judging from the binding affinities of oligomers with 1, the equilibrium shifting was driven by the selective binding of 22-mer with 1.
 IT 440366-42-7P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (size-selective synthesis of folded m-phenylene ethynylene oligomers by dynamic templatation around rodlike ligand using the imine metathesis reaction)



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 13 OF 33 CAPLUS COPYRIGHT 2004 ACS ON STN
 ACCESSION NUMBER: 2002:344030 CAPLUS



REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 14 OF 33 CAPLUS COPYRIGHT 2004 ACS ON STN
 ACCESSION NUMBER: 2002:327973 CAPLUS
 DOCUMENT NUMBER: 136:348396
 TITLE: Optical compensatory sheet and liquid crystal display
 INVENTOR(S): Yokoyama, Shigeki; Kawata, Ken; Nishikawa, Hideyuki; Matsuoka, Koshin; Aminaka, Eiichiro; Ito, Yoji
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: U.S., 46 pp., Cont.-in-part of U.S. Ser. No. 226,172, abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 6
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6380996	B1	20020430	US 2000-616365	20000713
JP 2001027706	A2	20010130	JP 1999-199442	19990713
JP 2000304931	A2	20001102	JP 2000-6772	20000114
JP 1998-1931	A	19980107	JP 1998-114168	A 19980409
US 1999-226172	B2	19990107	JP 1999-199442	A 19990713
JP 2000-6772	A	20000114	JP 1999-38893	A 19990217

AB The present invention relates to an optical compensatory sheet comprising an optically anisotropic layer formed of discotic liquid crystal mols. provided on a transparent substrate. The liquid crystal mols. are horizontally aligned in the optically anisotropic layer. An average inclined angle between discotic planes of the discotic liquid crystal mols. and a surface of the transparent substrate is < 5°. The discotic liquid crystal mols. are fixed in the optically anisotropic layer while keeping the horizontal alignment. A wide viewing angle and a rapid response of a liquid crystal display of a vertical alignment mode or a bend alignment mode are improved by using optical compensatory sheet of the present invention.
 IT 416875-38-2P 416875-42-8P
 RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); PRP (Properties); PREP (Preparation); PROC (Process); USES (Uses)
 (liquid crystal display optical compensatory sheet containing polymerized discotic liquid crystals and melamine compound)

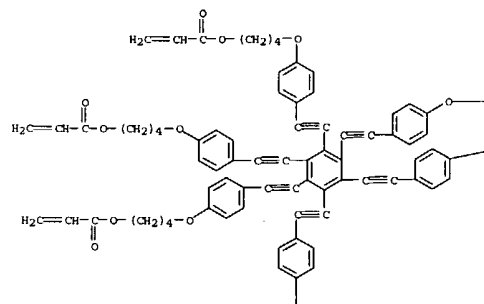
PRIOR ART DATE

RN 416875-38-2 CAPIUS
 CN Octanoic acid, 8-[(1-oxo-2-propenyl)oxy]-, 1,3,5-triazine-2,4,6-triyltris[imino-4,1,2-benzenetriyl] ester, polymer with 1,2,3,4,5,6-benzenehexaylhexakis[2,1-ethynediyl-4,1-phenyleneoxy-4,1-butanediyl] hexa-2-propenoate (9CI) (CA INDEX NAME)

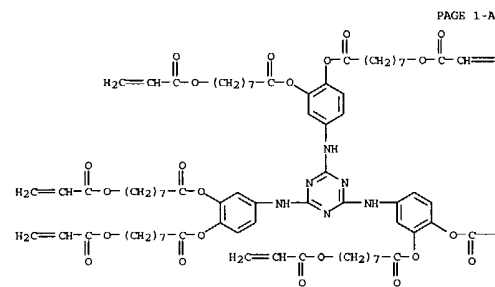
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CRN 229615-41-2
 CMF C87 H114 N6 O24

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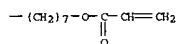


PAGE 1-B



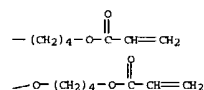
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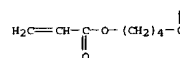


CM 2

CRN 229615-22-9
 CMF C96 H90 O18



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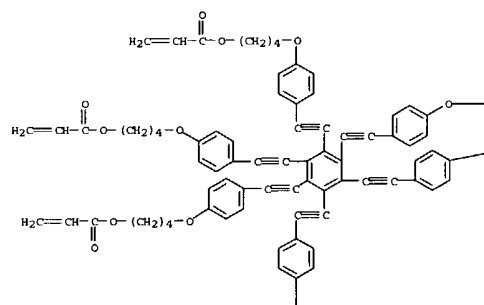


RN 416875-42-8 CAPIUS
 CN 2-Propenoic acid, 1,2,3,4,5,6-benzenehexaylhexakis[2,1-ethynediyl-4,1-phenyleneoxy-4,1-butanediyl] ester, polymer with 1,3,5-triazine-2,4,6-triyltris[imino[2-[(octadecylamino)carbonyl]-4,1-naphthalenediyl]oxy-12,1-dodecanediyl] tri-2-propenoate (9CI) (CA INDEX NAME)

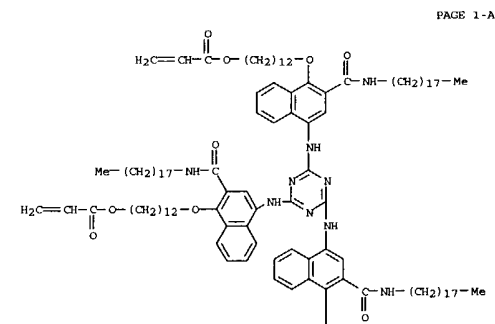
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CRN 229615-43-4
 CMF C135 H213 N9 O12

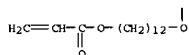
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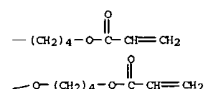


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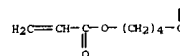


CM 2

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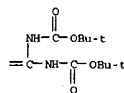
PAGE 2-A



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 15 OF 33 CAPIUS COPYRIGHT 2004 ACS ON STN
 ACCESSION NUMBER: 2001:925639 CAPIUS
 DOCUMENT NUMBER: 136:325265
 TITLE: General synthetic methods for the preparation of pinwheel receptors
 AUTHOR(S): Raker, Joseph; Glaess, Timothy E.
 CORPORATE SOURCE: Department of Chemistry, The Pennsylvania State University, University Park, PA, 16802, USA

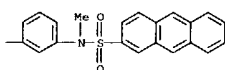
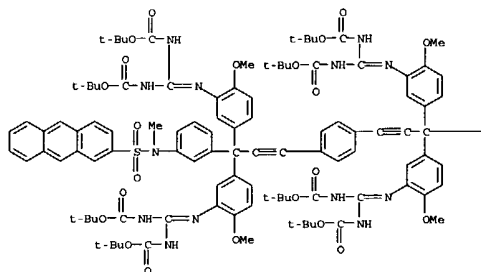
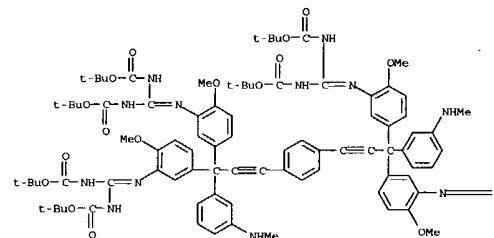
AB	<p> The synthesis of bis(triaryl) diynes, used as cooperative fluorescent chemosensors, is described. The most convenient sequence for the preparation of the sensor framework was found to be intolerant of most functionality. Therefore, an unfunctionalized framework is constructed and recognition elements are selectively installed via electrophilic substitution on an electronically and sterically intermediate molecule. A divergent synthesis of a general class of chemical sensors emerges. This synthetic method is highlighted by its simplicity and modularity allowing for the introduction of various recognition elements and fluorophores. </p>
IT	<p> 413620-85-6P 413620-91-4P RCT (Reactant) SYN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of pinwheel receptors) </p>
RN	<p> 413620-85-6 CAPIUS </p>
CN	<p> Carbamic acid, [1,4-phenylene]bis[1-[(1-{3-(methylanilino)phenyl}-2-propyn-3-yl-1-yl)ethoxy]-3-[(1-phenyl-1-oxo-2-phenylethyl)amino]ethoxy]octakis-, octakis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME) </p>



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RN 413620-91-4 CAPLUS
CN Carbamic acid, [1,4-phenylenebis{[1-[3-[(2-anthracenylsulfonyl)methylamino]phenyl]-2-propyn-3-yl-1-ylidene]bis[6-methoxy-3,1-phenylene]nitrilomethanetetrayl]}]octakis-, octakis(1,1-dimethylethyl)ester (9CI) (CA INDEX NAME)

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REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 16 OF 33 CAPLUS COPYRIGHT 2004 ACS ON STN
ACCESSION NUMBER: 2001:208289 CAPLUS
DOCUMENT NUMBER: 134:247912
TITLE: Charge-modified nucleotide terminators and their use
in sequencing and virus inhibition
INVENTOR(S): Kumar, Shiv; Flick, Parke; Nelson, John; Finn,
Patrick; Naeuppli, Sarayam; Ball, Matthew
PATENT ASSIGNER(S): Amerham Pharmacia Biotech, Inc., USA
SOURCE: PCT Int. Appl., 70 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACQ. NUM. COUNT: 3
PATENT INFORMATION:

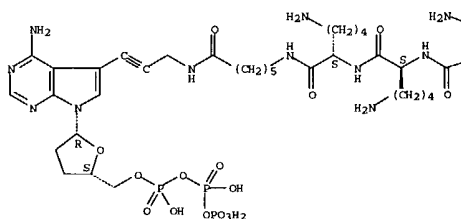
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001/09841	A1	2001/03/22	WO 2000-US25433	2000/09/16
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GR, GM, HR, HU, IL, IN, IT, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LU, LV, MA, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, ZA, ZW, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MK, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, DM, EE, ES, FI, GB, GR, HU, IL, IN, IT, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LU, LV, MA, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, ZA, ZW, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM				
EP 1214332	A1	2002/06/19	EP 2000-963540	2000/09/16
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LT, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, UG				
PRIORITY APPLN. INFO.			WO 1999-US47399	P 1999/09/17
			WO 1999-US45433	P 2000/09/16

AB Charge-modified nucleic acid terminators comprising Z-X-S-B-L (I; Z = mono-, di-, triphosphate, thiophosphate, boranophosphate; X = O, CH₂, S, NH; S = sugar, sugar analog; B = naturally occurring or synthetic base; L = alkyl, alkenyl, alkynyl optionally substituted with reporter moiety; Z, B, S, X, or L may be a nucleic acid or a nucleic acid derivative); the charge or a net pos. charge to structure I at phytol, or nucleic acid sequencing conditional) are disclosed. A method of sequencing nucleic acids using the above charge-modified terminators, as well as a method of inhibiting a virus by inhibiting contact between the virus and a virus-inhibiting amount of the above charge-modified terminator are also disclosed. Thus, many I compounds in which Z = thiophosphate, X = O, S, or dihydroxyphenyl, and B = 2'-deoxyribose, 2'-thiothymine, 2'-thiothymine and employed in DNA sequencing reactions. Because of the charge on phytol

ddNTP derivs., thermal breakdown products of these compds. were separated from the sequencing ladder, thereby facilitating reading of the sequencing data.

	8dfe.
IT	C36B8-18-7P C36B80-20-1P RL: RUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (charge-modified nucleotide terminators and their use in sequencing and transcription inhibition)
RN	C36B80-18-7 CAPLUS L-Lysine; amino-, N-[4-{3,6-bis[(dimethylamino)xanthylum-9-yl]-3-carboxypropyl]phenyl}-[1-(3-hydroxy-2-methoxypropanoyl)-2-amino-3-pentenoate], L-lysyl-L-xanthylum-5-yl)-(3H), 9'-oxoheptyl)aminol-1-propenyl} phenyl)anyl-tetrahydro-5-lysi-L-lysyl-L-lysyl-L-lysyl-N-[6-{(3,4-diamino-7{(2R,5D)-tetrahydro-5-(3,5,7,7-tetrahydroxy-3,5,7-trioxido-2,4,6-trioxa-3,5,7-triphosphaphet-1-ylidene)uracilyl)-2-thienylmethyl-3-allylmethyl-1,2-propynyl} aminol-6-oxohexylethyl)sulfonate salt [XCI] (INDEX NAME)

Absolute stereochemistry.

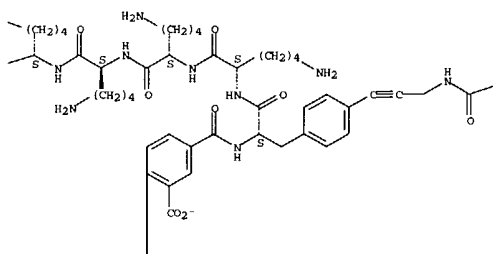


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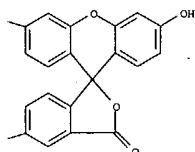
HO

Absolute stereochemistry.

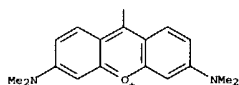
PAGE 1-A



PAGE 1-C



PAGE 2-B

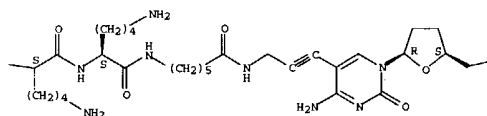


RN 330680-20-1 CAPLUS
CN L-Lysineamide, N-[3-carboxy-4-(2,3,6,7,12,13,16,17-octahydro-1H,5H,11H,15H-xantheno[2,3,4-ij]:5,6,7-trioxo-1,8-dioxo-9-yl)benzoyl]-4-[3-[[[3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9']-[9H]xanthen]-5-yl]carbonyl]amino]-1-propynyl]-L-phenylalanyl-L-lysyl-L-lysyl-L-lysyl-L-lysyl-L-lysyl-L-lysyl-N-[6-[[[3-[4-amino-1,2-dihydro-2-oxo-1-[(2R,5S)-tetrahydro-5-(3,5,7,7-tetrahydroxy-3,5,7-trioxido-2,4,6-trioxo-3,5,7-triphosphahex-1-yl)-2-furanyl]-5-pyrimidinyl]-2-propynyl]amino]-6-oxohexyl]-, inner salt (9CI) (CA INDEX NAME)

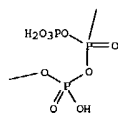
PAGE 1-D

OH

PAGE 2-C



PAGE 2-D

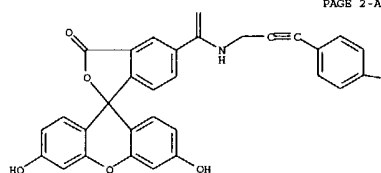


IT 330680-19-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(charge-modified nucleotide terminators and their use in sequencing and virus inhibition)

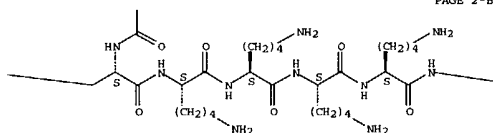
RN 330680-19-8 CAPLUS
CN L-Lysineamide, 4-[3-[[[3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9']-[9H]xanthen]-5-yl]carbonyl]amino]-1-propynyl]-L-phenylalanyl-N6-(trifluoroacetyl)-L-lysyl-N6-(trifluoroacetyl)-L-lysyl-N6-(trifluoroacetyl)-L-lysyl-N6-(trifluoroacetyl)-L-lysyl-N-[6-[[[3-[4-amino-1,2-dihydro-2-oxo-1-[(2R,5S)-tetrahydro-5-(3,5,7,7-tetrahydroxy-3,5,7-trioxido-2,4,6-trioxo-3,5,7-triphosphahex-1-yl)-2-furanyl]-5-pyrimidinyl]-2-propynyl]amino]-6-oxohexyl]-N6-(trifluoroacetyl)- (9CI) (CA INDEX NAME)

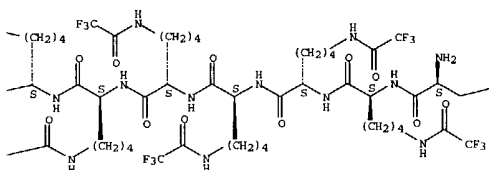
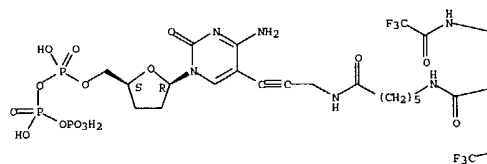
Absolute stereochemistry.

PAGE 2-A



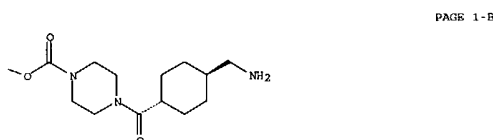
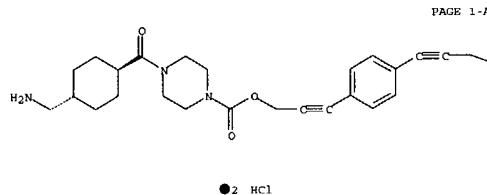
PAGE 2-B



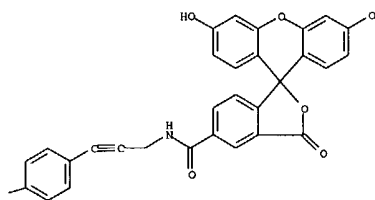
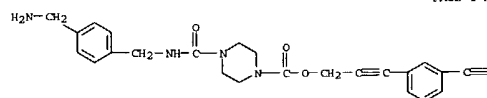


330595-89-6P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of tryptase inhibitors)
 RN 329351-77-1 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[[[trans-4-(aminomethyl)cyclohexyl]carbonyl]-1,2-phenylenedi-2-propyne-3,1-diyl ester, dihydrochloride (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 329351-78-2 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[[[4-(aminomethyl)phenyl]methyl]amino]carbonyl]-1,2-phenylenedi-2-propyne-3,1-diyl ester, dihydrochloride (9CI) (CA INDEX NAME)



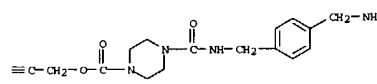
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L14 ANSWER 17 OF 33 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:208259 CAPLUS
 DOCUMENT NUMBER: 134:237066
 TITLE: Preparation of tryptase inhibitors
 INVENTOR(S): Baer, Thomas; Stadlwieser, Josef; Ulrich, Wolf-Ruediger; Dominik, Andreas; Bundachuh, Daniela; Zech, Karl; Sommerhoff, Christian; Martin, Thomas
 PATENT ASSIGNEE(S): Byk Gulden Lomberg Chemische Fabrik G.m.b.H., Germany
 SOURCE: PCT Int. Appl., 63 pp.
 CODEN: PIXX22
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001019809	A1	20010322	WO 2000-EP8899	20000912
W: AR, AU, BA, BG, BR, CA, CN, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, ID, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, VN, YU, ZA, ZW, AM, AZ, BY, KS, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IS, IT, LU, MC, NL, PT, SE				
EP 1216236	A1	20020626	EP 2000-962476	20000912
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
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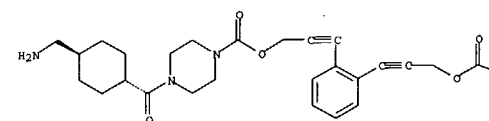
OTHER SOURCE(S): MARPAT 134:237066
 AB Compe. K1A5B5A3B3A1B1MB2A2B4A4B6A6K2 (A1, A2 = CO, NH, O, S, etc.; A3, A4 = CO, OC(O), CONH, etc.; M = central building block; K1 = 87C0B9X1, etc.; K2 = B8C0B10X2; B1-B6 = bond, alkylene, A5, A6 = CO, NH, O, etc.).
 tryptase inhibitors, were prepared E.g., 1,2-bis[4-(trans-4-aminomethylcyclohexylcarbonyl)-1-piperazinylcarbonyl-1-oxyprop-2-ynyl]benzene was prepared
 IT 329351-77-1P 329351-78-2P 329351-79-3P
 329351-80-6P 330595-43-2P 330595-44-3P
 330595-49-8P 330595-50-1P 330595-51-2P
 330595-52-3P 330595-53-4P 330595-75-0P
 330595-76-1P 330595-77-2P 330595-78-3P
 330595-79-4P 330595-80-7P 330595-85-2P
 330595-86-3P 330595-87-4P 330595-88-5P

NO
 U.S. CASE.

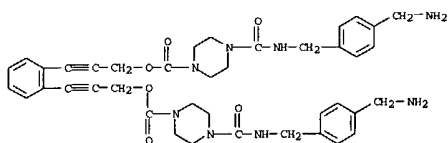


RN 329351-79-3 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[[[trans-4-(aminomethyl)cyclohexyl]carbonyl]-1,2-phenylenedi-2-propyne-3,1-diyl ester, dihydrochloride (9CI) (CA INDEX NAME)

Relative stereochemistry.

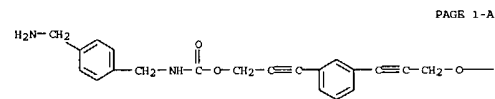


RN 329351-80-6 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[[[4-(aminomethyl)phenyl]methyl]amino]carbonyl]-1,2-phenylenedi-2-propyne-3,1-diyl ester, dihydrochloride (9CI) (CA INDEX NAME)

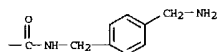


●2 HCl

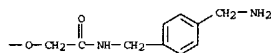
RN 330595-43-2 CAPLUS
CN Carbanic acid, [[4-(aminomethyl)phenyl)methyl]-, 1,3-phenylenedi-2-propyne-3,1-diyl ester, dihydrochloride (9CI) (CA INDEX NAME)



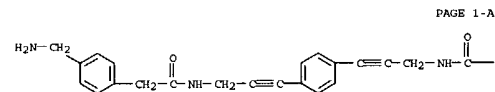
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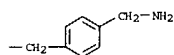
RN 330595-44-3 CAPLUS
CN Carbanic acid, [[4-(aminomethyl)phenyl)methyl]-, 1,2-phenylenedi-2-propyne-3,1-diyl ester, dihydrochloride (9CI) (CA INDEX NAME)



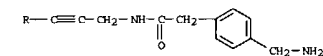
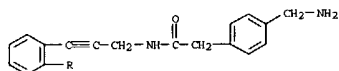
RN 330595-51-2 CAPLUS
CN Benzeneacetamide, N,N'-(1,4-phenylenedi-2-propyne-3,1-diyl)bis[4-(aminomethyl)-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

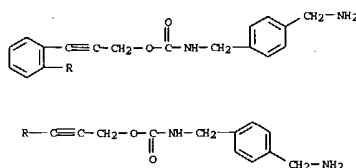


RN 330595-52-3 CAPLUS
CN Benzeneacetamide, N,N'-(1,2-phenylenedi-2-propyne-3,1-diyl)bis[4-(aminomethyl)-, dihydrochloride (9CI) (CA INDEX NAME)



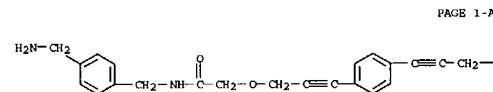
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RN 330595-53-4 CAPLUS
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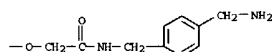


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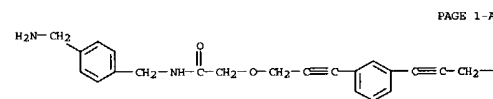
RN 330595-49-8 CAPLUS
CN Acetamide, 2,2'-[1,4-phenylenebis(2-propyne-3,1-diyl)bis[N-[[4-(aminomethyl)phenyl)methyl]-, dihydrochloride (9CI) (CA INDEX NAME)



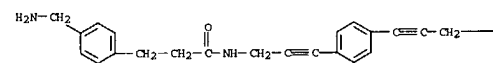
●2 HCl



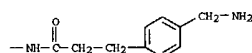
RN 330595-50-1 CAPLUS
CN Acetamide, 2,2'-[1,3-phenylenebis(2-propyne-3,1-diyl)bis[N-[[4-(aminomethyl)phenyl)methyl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

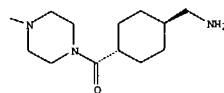
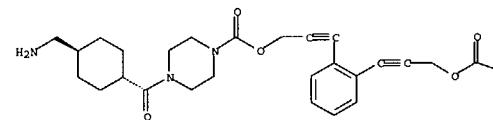


●2 HCl



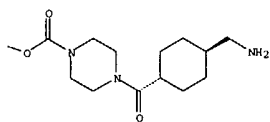
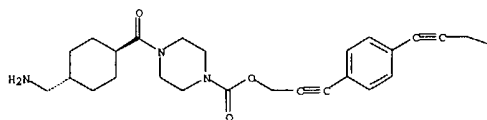
RN 330595-75-0 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[trans-4-(aminomethyl)cyclohexyl]carbonyl]-, 1,2-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

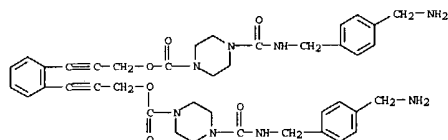


RN 330595-76-1 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[trans-4-(aminomethyl)cyclohexyl]carbonyl]-, 1,4-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)

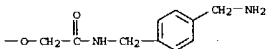
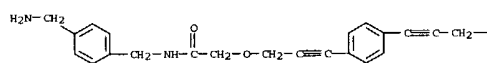
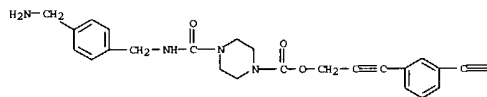
Relative stereochemistry.



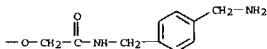
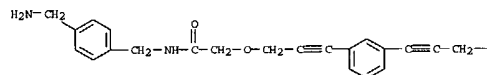
RN 330595-77-2 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[[4-(aminomethyl)phenyl]methyl]amino]carbonyl]-, 1,2-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)



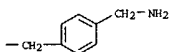
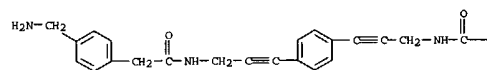
RN 330595-78-3 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[[4-(aminomethyl)phenyl]methyl]amino]carbonyl]-, 1,2-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)



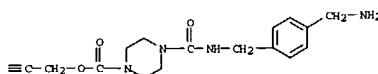
RN 330595-86-3 CAPLUS
CN Acetamide, 2,2'-[1,3-phenylenebis(2-propyne-3,1-diyl)]bis[N-[[4-(aminomethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)



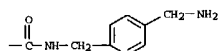
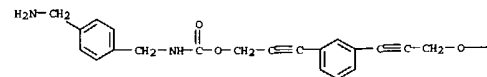
RN 330595-87-4 CAPLUS
CN Benzeneacetamide, N,N'-(1,4-phenylenedi-2-propyne-3,1-diyl)bis[4-(aminomethyl)- (9CI) (CA INDEX NAME)



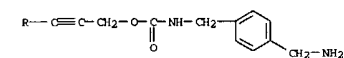
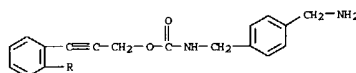
RN 330595-88-5 CAPLUS
CN Benzeneacetamide, N,N'-(1,4-phenylenedi-2-propyne-3,1-diyl)bis[4-(aminomethyl)- (9CI) (CA INDEX NAME)



RN 330595-79-4 CAPLUS
CN Carbamic acid, [[4-(aminomethyl)phenyl]methyl]-, 1,3-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)

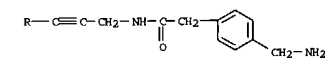
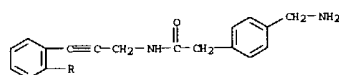


RN 330595-80-7 CAPLUS
CN Carbamic acid, [[4-(aminomethyl)phenyl]methyl]-, 1,2-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)

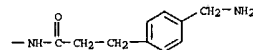
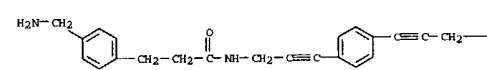


RN 330595-85-2 CAPLUS
CN Acetamide, 2,2'-[1,4-phenylenebis(2-propyne-3,1-diyl)]bis[N-[[4-(aminomethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

(aminomethyl)- (9CI) (CA INDEX NAME)



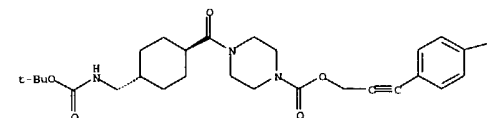
RN 330595-89-6 CAPLUS
CN Benzenepropanamide, N,N'-(1,4-phenylenedi-2-propyne-3,1-diyl)bis[4-(aminomethyl)- (9CI) (CA INDEX NAME)



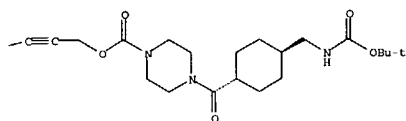
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329351-84-0P 330595-56-7P 330595-57-8P
330595-60-3P 330595-61-4P 330595-62-5P
330595-63-6P 330595-64-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of tryptase inhibitors)

RN 329351-81-7 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[[trans-4-[[[1,1-dimethylethoxy]carbonyl]amino]methyl]cyclohexyl]carbonyl]-, 1,4-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

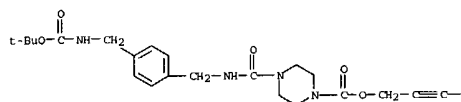


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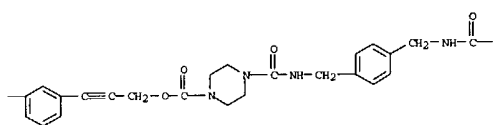


RN 329351-82-8 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[[4-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]phenyl]methyl]amino]carbonyl]-, 1,3-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)

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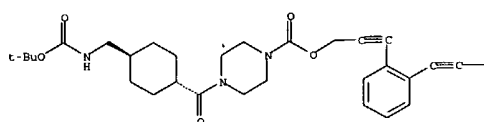
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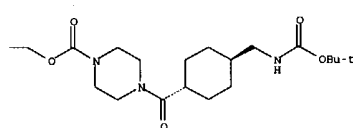
RN 329351-83-9 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[[trans-4-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]cyclohexyl]carbonyl]-, 1,2-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

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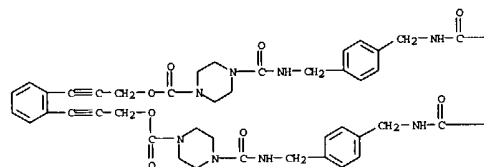


PAGE 1-B



RN 329351-84-0 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[[4-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]phenyl]methyl]amino]carbonyl]-, 1,2-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)

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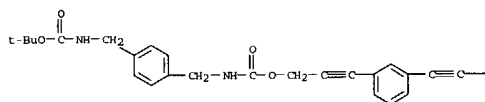
—OBu-t

—OBu-t

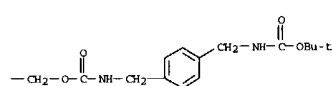
RN 330595-56-7 CAPLUS

CN Carbamic acid, [[4-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]phenyl]methyl]-, 1,3-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)

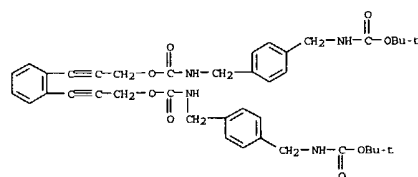
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PAGE 1-B

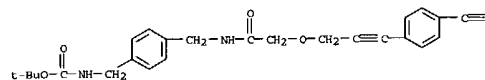


RN 330595-57-8 CAPLUS
CN Carbamic acid, [[4-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]phenyl]methyl]-, 1,2-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)

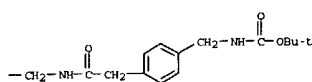


RN 330595-60-3 CAPLUS
CN Carbamic acid, [[1,4-phenylenebis[2-propyne-3,1-diyl]oxy(1-oxo-2,1-ethanediyl)iminomethylene-4,1-phenylenemethylene]]bis-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

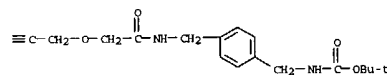
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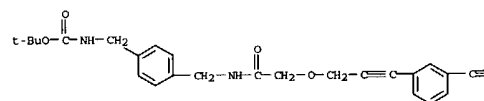


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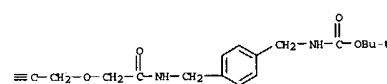


RN 330595-61-4 CAPLUS
CN Carbamic acid, [[1,3-phenylenebis[2-propyne-3,1-diyl]oxy(1-oxo-2,1-ethanediyl)iminomethylene-4,1-phenylenemethylene]]bis-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

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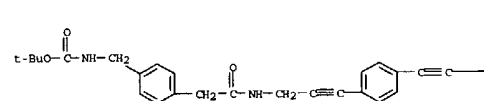


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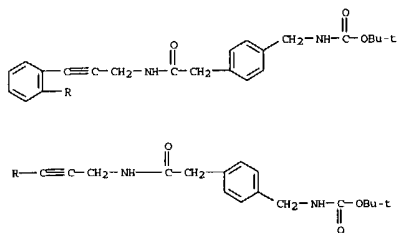


RN 330595-62-5 CAPLUS
CN Carbamic acid, [[1,4-phenylenebis[2-propyne-3,1-diyl]imino(2-oxo-2,1-ethanediyl)-4,1-phenylenemethylene]]bis-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

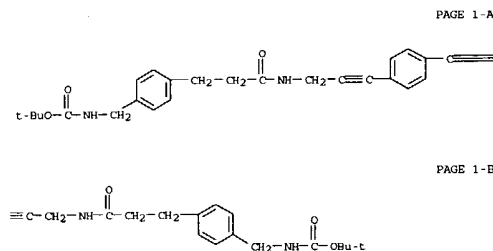
PAGE 1-A



RN 330595-63-6 CAPLUS
CN Carbamic acid, [1,2-phenylenebis(2-propyne-3,1-diylimino(2-oxo-2,1-ethanediy))]-4,1-phenylenemethylene]bis-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

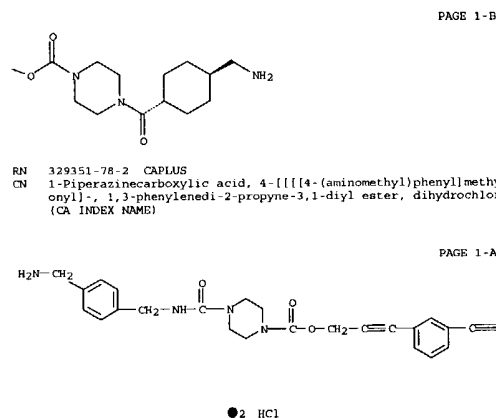


RN 330595-64-7 CAPLUS
CN Carbamic acid, [1,4-phenylenebis(2-propyne-3,1-diylimino(3-oxo-3,1-propanediyl))-4,1-phenylenemethylene]bis-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

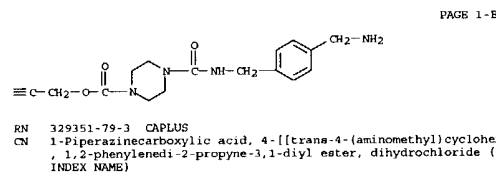
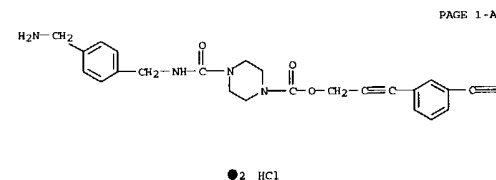


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 18 OF 33 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:179755 CAPLUS
DOCUMENT NUMBER: 134:222730
TITLE: Piperazinecarboxylate-containing tryptase inhibitors
PATENT ASSIGNEE(S): Byk Gulden Lomberg Chemische Fabrik GmbH, Germany
SOURCE: Ger. Offen., 18 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German



RN 329351-78-2 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[[4-(aminomethyl)phenyl]methylamino]carbonyl]-, 1,2-phenylenedi-2-propyne-3,1-diyl ester, dihydrochloride (9CI) (CA INDEX NAME)



Relative stereochemistry.

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19944066	A1	20010315	DE 1999-19944066	19990914
PRIORITY APPLN. INFO.:		DE 1999-19944066 19990914		
OTHER SOURCE(S):		MARPAT 134:222730		
GI				

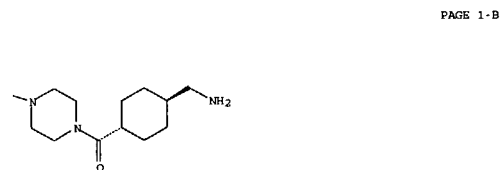
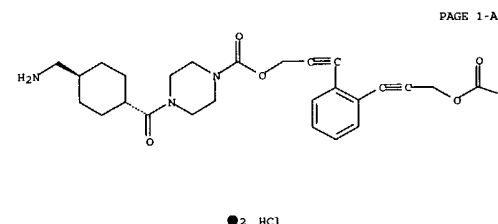
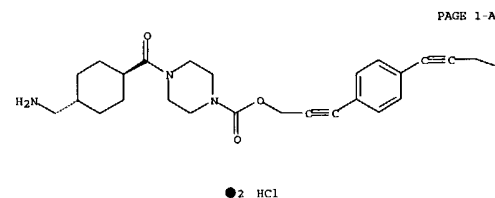
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. such as I (benzene ring 1,2- and 1,4-disubstituted) and II (central benzene ring 1,2- and 1,3-disubstituted) were prepared as tryptase inhibitors. Thus, reaction of 2-HOCH₂C.tplbond.C₆H₄C.tplbond.CCH₂OH with 1,1'-carbonyldiimidazole and then BOC-protected 1-[[4-(aminomethyl)benzyl]carbonyl]piperazine, followed by HCl addition, gave II (central benzene ring 1,2-disubstituted). Dissociation consts. for tryptase-inhibitor complexes ranged from 0.003 to 0.2 μM.

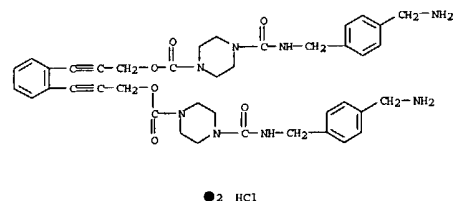
IT 329351-77-1P 329351-78-2P 329351-79-3P
329351-80-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (piperazinecarboxylate-containing tryptase inhibitors)

RN 329351-77-1 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[[trans-4-(aminomethyl)cyclohexyl]carbonyl]-, 1,4-phenylenedi-2-propyne-3,1-diyl ester, dihydrochloride (9CI) (CA INDEX NAME)

Relative stereochemistry.



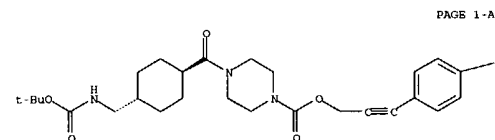
RN 329351-80-6 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[[4-(aminomethyl)phenyl]methylamino]carbonyl]-, 1,2-phenylenedi-2-propyne-3,1-diyl ester, dihydrochloride (9CI) (CA INDEX NAME)



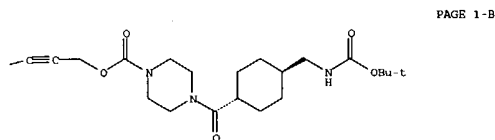
IT 329351-81-7P 329351-82-8P 329351-83-9P
329351-84-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (piperazinecarboxylate-containing tryptase inhibitors)

RN 329351-81-7 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[[[trans-4-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]cyclohexyl]carbonyl]-, 1,4-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

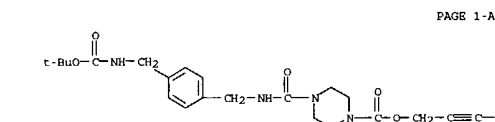


PAGE 1-A

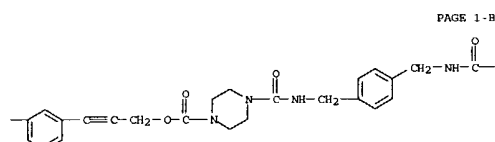


PAGE 1-B

RN 329351-82-8 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[[[4-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]phenyl]methyl]amino]carbonyl]-, 1,3-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)



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— OBU-t

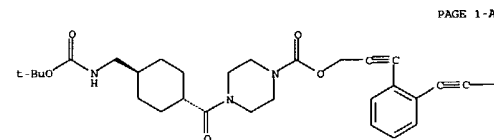
— OBU-t

L14 ANSWER 19 OF 33 CAPLUS COPYRIGHT 2004 ACS on STM
 ACCESSION NUMBER: 2001:154123 CAPLUS
 DOCUMENT NUMBER: 134:178661
 TITLE: para-Ethynyl aniline as a building block for fully π -conjugated ligands and acetylide complexes: crystal structures of trans-[Pt(PPh₃)₂(C.tplbond.CC6H4NH2)2] and [(μ -H)Ru₃(CO)₉(μ -C.tplbond.CC6H4NH2)2]
 AUTHOR(S): Deeming, Antony J.; Hogarth, Graeme; Lee, Mo-yin; Saha, Malini; Redmond, Simon P.; Phetmung, Hirihattaya; Orpen, A. Guy
 CORPORATE SOURCE: Dep. Chem., Univ. Coll. London, London, WC1H 0AL, UK
 SOURCE: Inorganica Chimica Acta (2000), 309(1-2), 109-122
 CODEN: ICHUA3; ISSN: 0020-1693
 PUBLISHER: Elsevier Science S.A.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Para-Ethynyl aniline has been prepared, structurally characterized and investigated as a building block towards fully π -conjugated multifunctional ligands and complexes. Palladium-copper catalyzed coupling with aryl halides affords a number of new amino-substituted aryl acetylenes, while using [Ni(CO)₂(PPh₃)₂] as a catalyst, cyclotrimerization and dimerization to give an ene-yne were competitive. Reaction of para-ethynyl aniline with low-valent metal centers affords acetylide complexes trans-[Pt(PR₃)₂(C.tplbond.CC6H4NH2)2] (R = Ph, Bu), cis-[Pt(η 2-dppe)(C.tplbond.CC6H4NH2)2], all-trans-[Ru(CO)₂(PPh₃)₂(C.tplbond.CC6H4NH2)2] and [(μ -H)Ru₃(CO)₉(μ 3-C.tplbond.CC6H4NH2)2]. The bis(acetylide) trans-[Pt(PPh₃)₂(C.tplbond.CC6H4NH2)2] has been used to prepare extended chain complexes with amide, imine, imino-phosphorane and ferrocenyl imine units being generated. Attempts to prepare polymers via reaction with terephthaloyl chloride lead only to the formation of oligomers with an average of four monomer units. The crystal structures of 4-H2NC6H4C.tplbond.CH, trans-[Pt(PPh₃)₂(C.tplbond.CC6H4NH2)2], and [(μ -H)Ru₃(CO)₉(μ 3-C.tplbond.CC6H4NH2)2] were determined by x-ray crystallog.
 IT 326003-02-5P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 326003-02-5 CAPLUS
 CN Platinum, bis[[4-(benzoylamino)phenyl]ethynyl]tris[μ -[1,4-phenylenebis(carbonylimino-4,1-phenylene-2,1-ethynediyl)]]octakis(tributyl phosphine)tetra-, stereoisomer (9CI) (CA INDEX NAME)

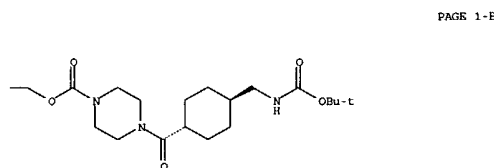
— OBU-t

RN 329351-83-9 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[[[trans-4-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]cyclohexyl]carbonyl]-, 1,2-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

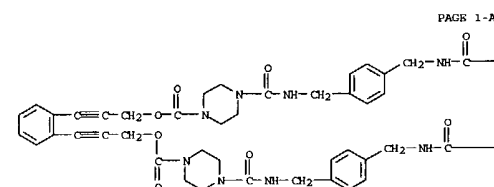


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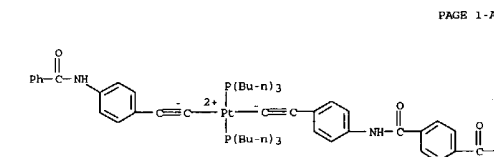


PAGE 1-B

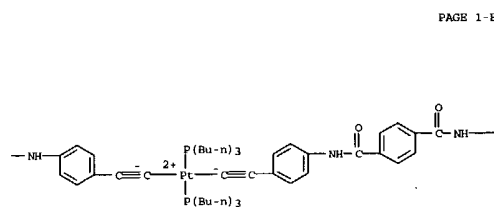
RN 329351-84-0 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[[[4-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]phenyl]methyl]amino]carbonyl]-, 1,2-phenylenedi-2-propyne-3,1-diyl ester (9CI) (CA INDEX NAME)



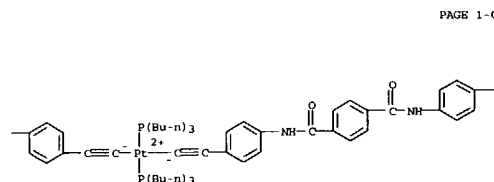
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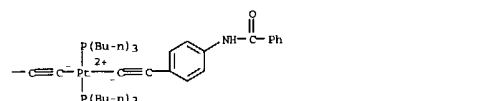
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PAGE 1-B



PAGE 1-C

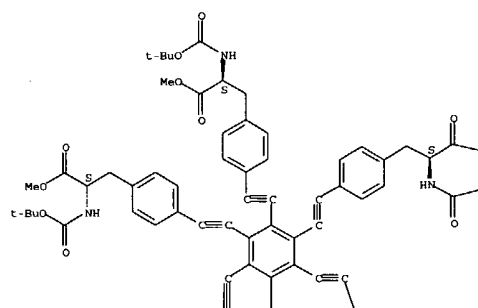


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REFERENCE COUNT: 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

PAGE 1-A

L14 ANSWER 20 OF 33 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1999:132305 CAPLUS
 DOCUMENT NUMBER: 130:252651
 TITLE: Benzene-bridged hexaalkynylphenylalanines and first-generation dendrimers thereof
 AUTHOR(S): Kayser, Bernd; Altman, Janina; Beck, Wolfgang
 CORPORATE SOURCE: Institut für Anorganische Chemie der Universität Meiserstrasse 1, München, D-80333, Germany
 SOURCE: Chemistry--A European Journal (1999), 5 (2), 754-758
 PUBLISHER: CODEN: CEUJED; ISSN: 0947-6539
 DOCUMENT TYPE: Wiley-VCH Verlag GmbH
 LANGUAGE: Journal
 GI English



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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

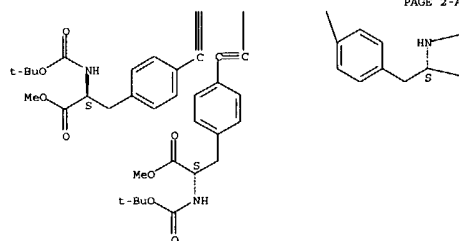
AB The palladium-mediated coupling of p-ethynylphenylalanine with hexabromobenzene yielded benzene-bridged hexaalkynyl- α -amino acid I (R = OMe; Boc = MeCO₂C) in high yield. The use of the hexapodal amino acid and of the corresponding tripodal amino acid II as backbones for the synthesis of first-generation dendrimers based on poly(tris(hydroxymethyl)) and poly(ornithine) compds. I [R = NHC(CH₂CH₂CH₂CO₂Me)₃] and II [R = NHC(CH₂CH₂CH₂CO₂Me)₃, R₁ = Boc; R = OMe, R₁ = Boc-Orn(Boc)-Orn(Boc-Orn(Boc))] is described.
 IT 221452-89-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of benzene-bridged tri- and hexaalkynylphenylalanine first generation dendrimers)
 RN 221452-89-7 CAPLUS
 CN L-Phenylalanine, 4,4',4'',4''',4''''',4'''''-(1,2,3,4,5,6-benzenehexaylhexa-2,1-ethynediyl)hexakis[N-[(1,1-dimethylethoxy)carbonyl]-, hexamethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

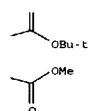
OMe
 OBU-t



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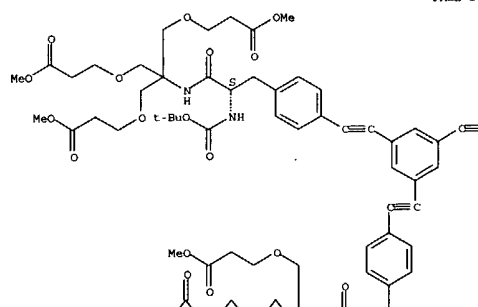
PAGE 2-B



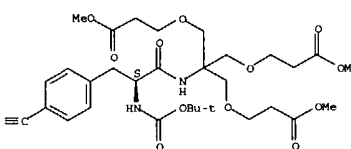
IT 221452-91-1P 221452-92-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of benzene-bridged tri- and hexaalkynylphenylalanine first generation dendrimers)
 RN 221452-91-1 CAPLUS
 CN 3,11-Dioxo-5,8-diazatetradecan-14-oic acid, 6,6',6''-[1,3,5-benzenetriyltris(2,1-ethynediyl-4,1-phenylenemethylene)]tris[9,9-bis[(3-methoxy-3-oxopropoxy)methyl]-2,2-dimethyl-4,7-dioxo-, trimethyl ester, (6S,6'S,6''S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

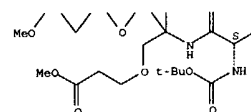
PAGE 1-A



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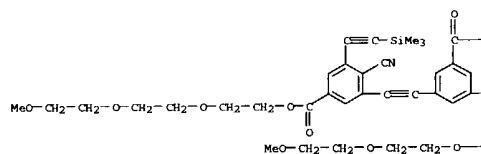
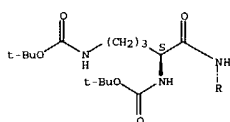
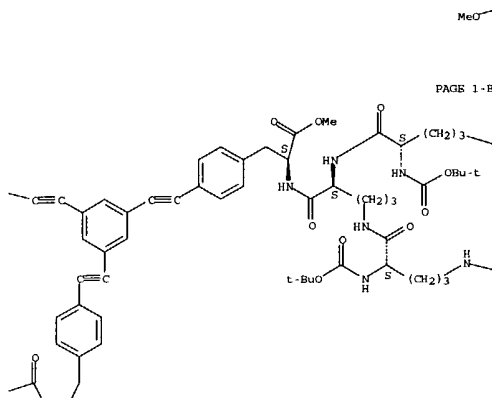
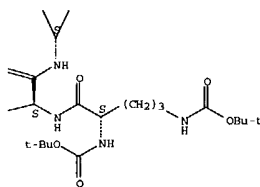
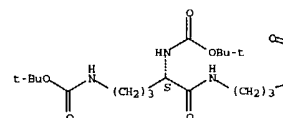
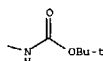
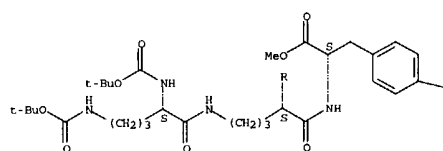


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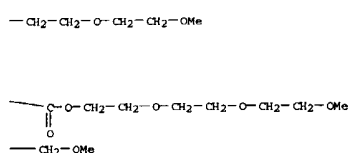
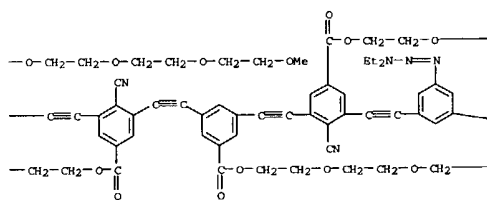
RN 221452-92-2 CAPLUS
 CN L-Phenylalanine, 3,4,3',4',3''',4''''-(1,3,5-benzenetriyltri-2,1-ethynediyl)tris[N₂,N₅-bis[N₂,N₅-bis[(1,1-dimethylethoxy)carbonyl]-L-ornithyl]-L-ornithyl-, trimethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



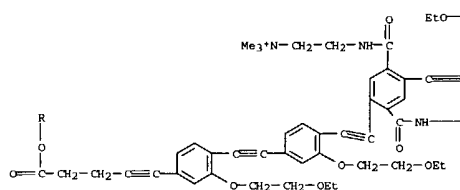
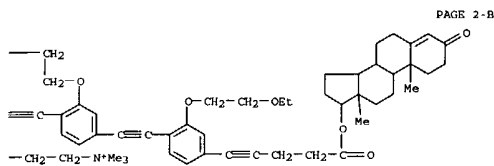
REFERENCE COUNT: 73 THERE ARE 73 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 21 OF 33 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1999:94322 CAPLUS
 DOCUMENT NUMBER: 130:223736
 TITLE: Controlling the secondary structure of nonbiological oligomers with solvophobic and coordination interactions
 AUTHOR(S): Prince, Ryan B.; Okada, Takaishi; Moore, Jeffrey S.
 CORPORATE SOURCE: Departments of Chemistry, Materials Science & Engineering and The Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana-Champaign, Urbana, IL, 61801, USA
 SOURCE: Angewandte Chemie, International Edition (1999), 38(1/2), 233-236
 CODEN: ACIEF5; ISSN: 1433-7851
 PUBLISHER: Wiley-VCH Verlag GmbH
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Morphol., structure and microcalorimetric characteristics of a series of polyphenylacetylene oligomers are investigated. Modification of these oligomers (tubular cavity) via solvophobic and coordination interactions can lead to a highly ordered secondary structures. The strength of metal ion (Ag⁺) binding appears to be derived from a combination of solvophobic interactions that favor the helical structure along with the more usual metal-ligand interactions.
 IT 221198-71-6D, silver complexes
 RL: PRP (Physical, engineering or chemical process); PRP (Properties); PROC (Process)
 (controlling secondary structure of nonbiol. oligomers with solvophobic and coordination interactions)
 RN 221198-71-6 CAPLUS
 CN Benzoic acid, 4-cyano-3-[[3-[[2-cyano-3-[[3-[[3,3-diethyl-1-triazenyl]-5-(1-oxo-2,5,8,11-tetraoxadodec-1-yl)phenyl]ethynyl]-5-(1-oxo-2,5,8,11-tetraoxadodec-1-yl)phenyl]ethynyl]-5-(1-oxo-2,5,8,11-tetraoxadodec-1-yl)phenyl]ethynyl]-5-[[3-[[2-cyano-5-(1-oxo-2,5,8,11-tetraoxadodec-1-yl)-3-[[trimethylsilyl]ethynyl]phenyl]ethynyl]-5-(1-oxo-2,5,8,11-tetraoxadodec-1-yl)phenyl]ethynyl]-, 2-(2-(2-methoxyethoxy)ethoxy)ethyl ester (9CI) (CA INDEX NAME)



IT 221198-96-5D, silver complexes
 RL: PRP (Properties)
 (controlling secondary structure of nonbiol. oligomers with solvophobic and coordination interactions)
 RN 221198-96-5 CAPLUS
 CN Poly[[2-cyano-5-(1-oxo-2,5,8,11-tetraoxadodec-1-yl)-1,3-phenylene]-1,2-ethynediyl][5-(1-oxo-2,5,8,11-tetraoxadodec-1-yl)-1,3-phenylene]-1,2-ethynediyl], α-[[3-[[3,3-diethyl-1-triazenyl]-5-(1-oxo-2,5,8,11-

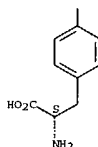
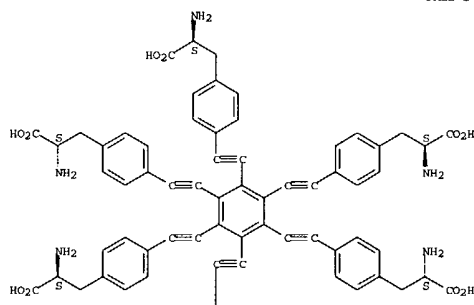
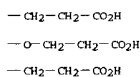
Absolute stereochemistry.

● 2 I⁻

CM 2
CRN 178267-35-1
CMF C126 H148 N4 O48

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

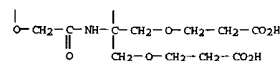
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *



● 6 HCl

REFERENCE COUNT: 90 THERE ARE 90 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

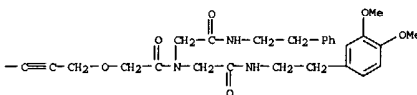
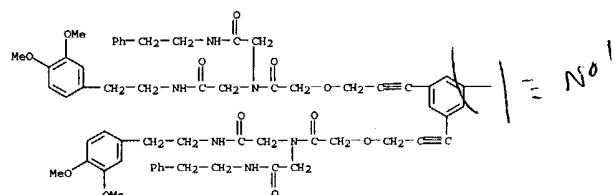
L14 ANSWER 24 OF 33 CAPLUS COPYRIGHT 2004 ACS ON STN
ACCESSION NUMBER: 1998:617887 CAPLUS
DOCUMENT NUMBER: 129:330462
TITLE: Higher order iminodiacetic acid libraries for probing protein-protein interactions
AUTHOR(S): Boger, Dale L.; Goldberg, Joel; Jiang, Weiqin; Chai, Wenying; Ducray, Pierre; Lee, Jae Kyoo; Ozer, Rachel S.; Andersson, Carl-Magnus
CORPORATE SOURCE: Department of Chemistry and The Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
SOURCE: Bioorganic & Medicinal Chemistry (1998), 6(8), 1347-1378



REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 23 OF 33 CAPLUS COPYRIGHT 2004 ACS ON STN
ACCESSION NUMBER: 1998:735815 CAPLUS
DOCUMENT NUMBER: 130:89635
TITLE: Metal complexes of biologically important ligands. Part 108. Metal complexes of alkyne-bridged α -amino acids
AUTHOR(S): Kayser, Bernd; Altman, Janina; Noeth, Heinrich; Knizek, Josef; Beck, Wolfgang
CORPORATE SOURCE: Inst. Anorganische Chem., Ludwig-Maximilians-Univ., Munich, D-80333, Germany
SOURCE: European Journal of Inorganic Chemistry (1998), (11), 1791-1798
CODEN: EJICFO; ISSN: 1434-1948
PUBLISHER: Wiley-VCH Verlag GmbH
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The palladium-mediated coupling of p-ethynylphenylalanine (p-epa) with different halogenated benzenes yielded alkyne-bridged α -amino acids. A series of cationic mono- to hexanuclear (Ph3P)2Pt complexes with the anions of p-ethynylphenylalanine and alkynyl- or benzene-bridged di-, tri-, tetra- and hexa-ethynyl phenylalanines as N,O-chelate ligands was prepared. N-t-boc-p-ethynylphenylalanine Me ester was metal-substituted to give complexes of the types Ph3PAu-C.tplbond.C-R and (Et3P)2Pt-(C.tplbond.C)2. The benzene-bridged di-, tri-, tetra- and hexa-ethynylphenylalanine Me esters form Schiff bases with ferrocene aldehyde and a tripodal ligand was obtained from Ph2PCH2CH2CH2NH2 and the benzene-bridged triethynylphenyl-alanine. The structure of (Ph3P)2Pt(NH2C(H)(CH2C6H4C.tplbond.CH)CO2).BF4- was determined by x-ray diffraction (hexagonal, R3, a = 28.708(5), c = 14.458(3) Å, V = 10.320(4) Å³, Z = 9, ρ = 1.440 g/cm³, μ (MoK α) = 3.182 mm⁻¹, F(000) = 4446, 5890 observed reflections with I > 4 σ (I), 523 refined parameters, R1 = 0.0408, wR2 = 0.1015).
IT 217969-19-2
RL: RCT (Reactant); RACT (Reactant or reagent) (for preparation of Pt and ferrocene complexes of alkyne-bridged α -amino acids)
RN 217969-19-2 CAPLUS
CN L-Phenylalanine, 4,4',4'',4''',4''''',4''''''-(1,2,3,4,5,6-benzenehexahydra-2,1-ethynediyl)hexakis-, hexahydrochloride (9CI) (CA INDEX NAME)
Absolute stereochemistry.

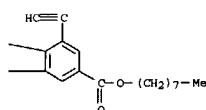
CODEN: BMECEP; ISSN: 0968-0896
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Full details of the preparation of iminodiacetic acid diamide dimer (2040 compds.), trimer (560 compds.), and tetramer (1596 compds.) libraries by multistep convergent solution-phase synthesis for studying protein-protein interactions are provided. The libraries were assembled in a format providing small 8-10 compound mixts. and the deconvolution of many of the small mixts. to identify screening leads by reanalysis of the individual components were conducted for 320 of the individual compds. to date. A representative example of the subsequent exploration of the structure-activity relationships for an identified receptor binding antagonist (200 addnl. individual compds.) and steps taken for potential elaboration to a receptor dimerization agonist are defined with preparation of representative linked dimers (70 compds.).
IT 215161-33-4P
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of higher order iminodiacetic acid libraries for probing protein-protein interactions)
RN 215161-33-4 CAPLUS
CN Acetamide, 2,2',2''-(1,3,5-benzenetriyltris(2-propyne-3,1-diylloxy))tris[N-(2-[[2-(3,4-dimethoxyphenyl)ethyl]amino]-2-oxoethyl]-N-[2-oxo-2-[[2-phenylethyl]amino]ethyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 111 THERE ARE 111 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2004 ACS ON STN
ACCESSION NUMBER: 1998:363367 CAPLUS
DOCUMENT NUMBER: 129:135964
TITLE: Synthesis and association behavior of

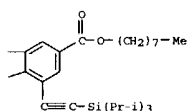
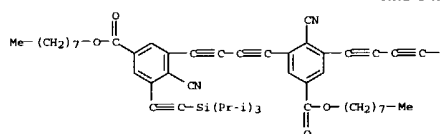
AB The preparation and association behavior of
[4,4,4,4,4]metacyclophosphadecayne I
were reported.
IT 210475-75-5P 210475-78-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
with (preparation and association behavior of metacyclophosphadecayne deriva
interior binding groups)
CN 210475-75-5 CAPLUS
RN Benzoic acid, 3,3'-(1,3-butadiyne-1,4-diyl)bis[4-cyano-5-[4-(2-cyano-3-[4-
[2-cyano-3-ethynyl]-5-[(octoxyl)carbonyl]phenyl]-1,3-butadiynyl)-5-
[(octoxyl)carbonyl]phenyl]-1,3-butadiynyl]-, dioctyl ester (3CI) (CA
1996)



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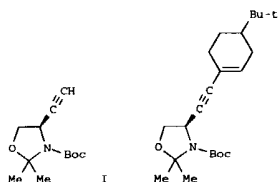
RN      210475-78-8  CAPLUS
CN      Benzoic acid, 3,3'-(1,3-butanediyl)bis[4-cyano-5-[4-[2-cyano-3-[4-[2-cyano-5-[(octyloxy)carbonyl]-3-[[tris(1-methylethyl)silyl]ethynyl]phenyl]-1,3-butanediyl]-5-(octyloxy)carbonyl]phenyl]-1,3-butanediyl]-, diethyl ester (9CI) (CA INDEX NAME)

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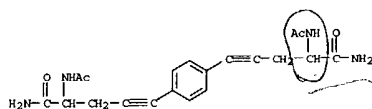
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 26 OF 33 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1997:790849 CAPLUS
 DOCUMENT NUMBER: 128:88734
 TITLE: Elaboration of the side-chain of amino acid
 derivatives by palladium catalyzed couplings
 Crisp, Geoffrey T.; Jiang, Yu-Lin; Pullman, Peter J.
 AUTHOR(S): De Savi, Chris
 CORPORATE SOURCE: Department of Chemistry, The University of Adelaide,
 Adelaide, 5005, Australia
 SOURCE: Tetrahedron (1997), 53(51), 17489-17500
 CODEN: TETRA8; ISSN: 0040-4020
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 128:88734
 GI



AB The palladium-catalyzed couplings of aryl halides and triflates with propargyl amino amides and the couplings of aryl and vinyl halides and triflates with an ethynyl oxazolidine are reported. The preparation of ethynyl glycine analogs was accomplished by treating I with electrophiles. An example compound thus prepared was II.

IT example compound thus prepared was 1:
201041-85-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of alkynyl amino acid analogs)
RN 201041-85-2 CAPLUS
CN 4-Pentynamide, 5,5'-(1,4-phenylene)bis[2-(acetylamino)- (9CI) (CA INDEX
NAME)



REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 27 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1997:631870 CAPLUS
 DOCUMENT NUMBER: 127:293709
 TITLE: Synthesis and Characterization of Water-Soluble
 Dendritic Macromolecules with a Stiff, Hydrocarbon
 Interior
 AUTHOR(S): Peak, Douglas J.; Moore, Jeffrey S.; Wheat, Thomas B.
 CORPORATE SOURCE: Departments of Chemistry and Materials Science and
 Engineering and the Beckman Institute for Advanced
 Science and Technology, University of Illinois at
 Urbana-Champaign, Urbana, IL, 61801, USA
 SOURCE: Macromolecules (1997), 30(21), 6467-6482
 CODEN: MAMOBX; ISSN: 0024-9297
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal

AB ⁵⁹¹¹¹¹ Phenylacetylene dendrimers terminated with tert-Bu esters on their periphery up to the fifth generation were synthesized by a modified convergent growth protocol. A solid-state thermolytic process involving no solvents, reagents, or catalysts accomplished transformation of the tert-Bu esters to carboxylic acids. The carboxylic acid terminated dendrimers possessed solubility characteristics orthogonal to those of the tert-Bu esters. Capillary electrophoresis and electrospray mass spectrometry were used to characterize the carboxylate-terminated dendrimers. These techniques suggested that some form of crosslinking between or within higher generation dendrimer mols. was occurring during the thermolysis reaction. To overcome this problem, a second series of dendrimers terminated with 2-(2-(2-methoxyethoxy)ethoxy)ethyl esters on their periphery were prepared, enabling aqueous solution hydrolysis to produce the carboxylic acids. The dendrimers that resulted by this approach were more homogeneous products.

IT 196929-11-0P
RL: SPN (Synthetic preparation); PRBP (Preparation)
(preparation of polycarbonate dendrimers terminated with tert-Bu groups by
modified convergent growth)

RN 196929-11-0 CAPLUS

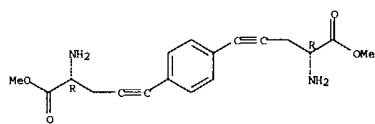
CN 1,3-Benzeneedicarboxylic acid, 5,5',5'',5'''-(1,3-phenylene)bis(4,1'-ethynyl)-5,5',5'',5'''-

AB Pd-CuI catalysis has been used to effect C-substitution with iodoarenes on the terminal alkynyl carbon in (2S,5R)-2,5-dihydro-3,6-dimethoxy-2-isopropyl-5-propargylpyrazine (I; R = H). Bridged structures II (Z = p-C6H4, 2,5-thiophenediyl) were formed from diiodoarenes. Homocoupling with bridge formation between two alkynyl units to give III (Z = bond) was effected by the same catalyst system with air as the oxidant. Mild hydrolysis gave the corresponding unsatd. amino acids and esters. The decoupled amino acids have two triple bonds in conjugation in the bridge between the α,α' -carbons in the two glycine units.

IT 195206-40-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(stereoselective synthesis of alkynylglycines and alkynyl-bridged bis(glycines))

RN 195206-40-7 CAPLUS
CN 4-Pentynoic acid, 5,5'-(1,4-phenylene)bis[2-amino-, dimethyl ester, [R-(R*,R*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

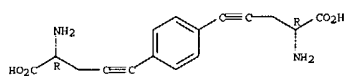


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IT 195206-42-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(stereoselective synthesis of alkynylglycines and alkynyl-bridged bis(glycines))

RN 195206-42-9 CAPLUS
CN 4-Pentynoic acid, 5,5'-(1,4-phenylene)bis[2-amino-, dihydrochloride, [R-(R*,R*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

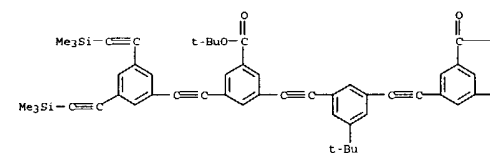


● 2 HCl

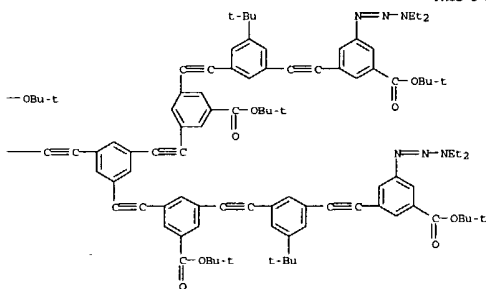
REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 30 OF 33 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1994:106509 CAPLUS
DOCUMENT NUMBER: 120:106509
TITLE: Syntheses and characterizations of phenylacetylene macrocyclics - towards porous organic solids
AUTHOR(S): Wu, Ziyang; Moore, Jeffrey S.
CORPORATE SOURCE: Macromol. Sci. Eng. Cent., Univ. Michigan, Ann Arbor, MI, 48109-1055, USA

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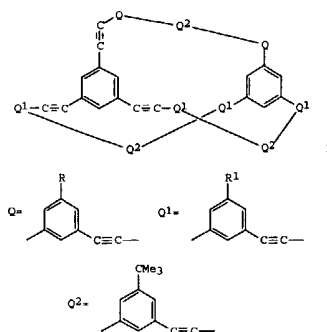
PAGE 1-B



L14 ANSWER 31 OF 33 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1992:427083 CAPLUS
DOCUMENT NUMBER: 117:27083
TITLE: Palladium-catalyzed coupling of a propargylglycine derivative
AUTHOR(S): Cripp, Geoffrey T.; Robertson, Thomas A.
CORPORATE SOURCE: Dep. Org. Chem., Univ. Adelaide, Adelaide, 5001, Australia
SOURCE: Tetrahedron (1992), 48(15), 3239-50
CODEN: TETRAH; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 117:27083

AB The coupling of aryl or vinyl halides and triflates with a propargylglycine derivative in the presence of a palladium catalyst is described. The coupling is compatible with a variety of structural types

SOURCE: Polymer Preprints (American Chemical Society, Division of Polymer Chemistry) (1993), 34(1), 122-3
CODEN: ACPFRY; ISSN: 0032-3934
DOCUMENT TYPE: Journal
LANGUAGE: English
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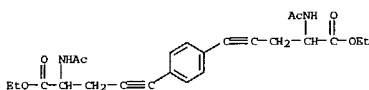
AB Title compds. I (R, R1 = H, CO2Me3, CO2H) were prepared from 3,5-Br2C6H3C.tpbond.CSiMe3 and phenylacetylene oligomers Et2NN-N-Q-Q2-Q-H and I-Q1-Q2-Q1-C6H3(C.tpbond.CSiMe3)2,3,5 (II) via sequential iodination, desilylation, and coupling reaction of bis(diethyltriazene) 1,3,5-(Et2NN-N-Q1-Q2-Q1)2C6H3C.tpbond.CSiMe3 with II and cyclization of the resulting coupling products.

IT 151982-10-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, conversion into diiodide, cyclization of)

RN 151982-10-4 CAPLUS
CN Benzoic acid, 3,3'-[5-[[[3-[[[3-[[[3-[[[3-bis{[(trimethylsilyl)ethynyl]phenyl]ethynyl]-5-[[[1,1-dimethylethoxy]carbonyl]phenyl]ethynyl]-5-[[[1,1-dimethylethoxy]carbonyl]phenyl]ethynyl]-5-[[[1,1-dimethylethoxy]carbonyl]phenyl]ethynyl]-1,3-phenylene]di-2,1-ethynediyl]bis[5-[[[3-[[[3-[[[3-diethyl-1-triazenyl]-5-[[[1,1-dimethylethoxy]carbonyl]phenyl]ethynyl]-5-[[[1,1-dimethylethoxy]phenyl]ethynyl]-, bis[(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

and functional groups. E.g., coupling of AcNHCH(CH2C.tpbond.CH)CO2Et with RX (RX = PhI, 2-naphthol triflate, 3-bromopyridine, etc.) in the presence of Pd(PPh3)4, CuI and Et3N in DMF gave AcNHCH(CH2C.tpbond.CH)CO2Et. The coupling was also carried out on an optically-active propargylglycine derivative and the products were optically active.

IT 141889-66-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 141889-66-9 CAPLUS
CN 4-Pentynoic acid, 5,5'-(1,4-phenylene)bis[2-(acetamino)-, diethyl ester (9CI) (CA INDEX NAME)



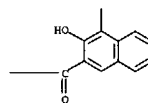
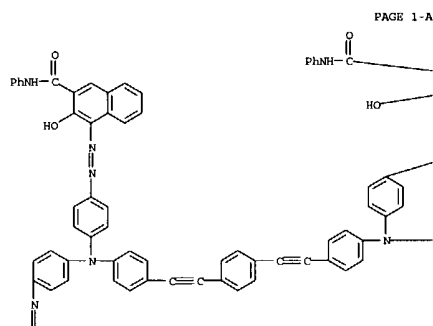
L14 ANSWER 32 OF 33 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1991:418554 CAPLUS
DOCUMENT NUMBER: 115:18554
TITLE: Electrophotographic photoreceptor
INVENTOR(S): Makino, Naonori; Ohno, Shigeru; Hoshi, Satoshi; Kitatani, Katsuji
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 54 pp.
CODEN: EPXKDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 391399	A1	19901010	EP 1990-106491	19900405
EP 391399	B1	19951102		
JP 02264962	A2	19901029	JP 1989-86589	19890405
US 5019474	A	19910528	US 1990-504205	19900404
			JP 1989-86589	19890405

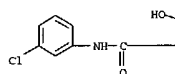
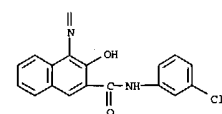
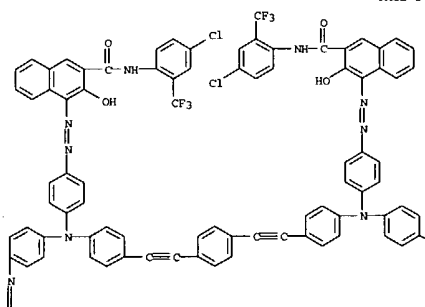
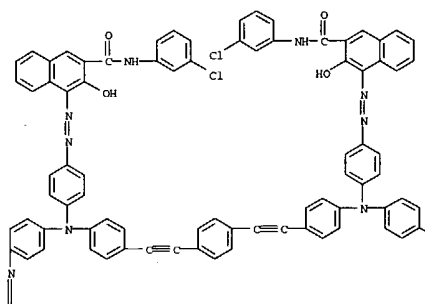
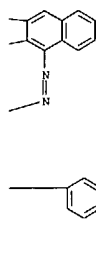
OTHER SOURCE(S): MARPAT 115:18554
AB A multilayer electrophotographic photoconductor is described with a charge-generating layer containing a tetrakisazo compound R1R2NaR2C.tpbond.CAr1C.tpbond.CAr3NR3R4 [Ar1-Ar3 = arylene, divalent condensed polycyclic aromatic group, divalent heterocyclic group; R1-R4 = Ar1N-Ncp (Cp = coupler residue)]. The photoreceptor exhibits a high sensitivity and durability.

IT 134427-13-7 134427-14-0 134427-15-9
134427-16-0 134427-17-1 134427-18-2
134427-19-3 134427-20-6 134427-21-7
134427-22-8 134427-23-9 134461-12-4
134461-13-5 134461-14-6 134461-16-8
134461-17-9 134461-18-0 134461-19-1
134461-23-7

RL: USES (Uses)
(as charge-generating agent for electrophotographic photoconductor)
RN 134427-13-7 CAPLUS
CN 2-Naphthalenecarboxamide, 4,4',4'',4'''-(1,4-phenylenebis[2,1-ethynediyl-4,1-phenylene]trilobis[4,1-phenyleneazo])tetrakis[3-hydroxy-N-phenyl-

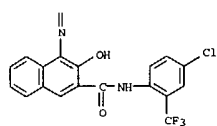


RN 134427-14-B CAPLUS
CN 2-Naphthalenecarboxamide, 4,4',4'',4'''-[1,4-phenylenebis[2,1-ethynediyl]-4,1-phenylenenitrilobis(4,1-phenyleneazo)]tetrakis[N-(3-chlorophenyl)-3-hydroxy- (9CI) (CA INDEX NAME)]

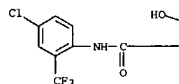


RN 134427-15-9 CAPLUS
CN 2-Naphthalenecarboxamide, 4,4',4'',4'''-[1,4-phenylenebis[2,1-ethynediyl]-4,1-phenylenenitrilobis(4,1-phenyleneazo)]tetrakis[N-(4-chloro-2-(trifluoromethyl)phenyl)-3-hydroxy- (9CI) (CA INDEX NAME)]





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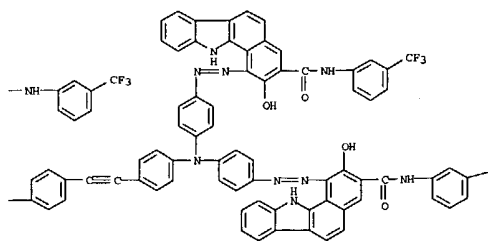
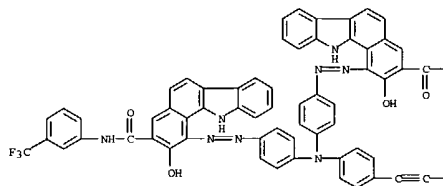


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RN 134427-16-0 CAPLUS
CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[1,4-phenylenebis(2,1-ethynediyl)-4,1-phenylenenitrilobis(4,1-phenyleneazo)]tetrakis[2-hydroxy-N-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

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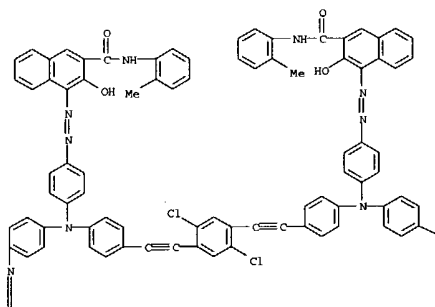
PAGE 1-B

PAGE 1-C

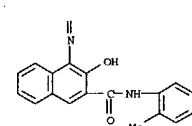


RN 134427-17-1 CAPLUS
CN 2-Naphthalenecarboxamide, 4,4',4'',4'''-[(2,5-dichloro-1,4-phenylene)bis(2,1-ethynediyl)-4,1-phenylenenitrilobis(4,1-phenyleneazo)]tetrakis[3-hydroxy-N-(2-methylphenyl)- (9CI) (CA INDEX NAME)

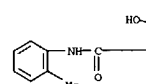
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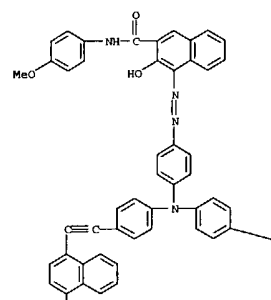


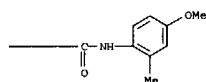
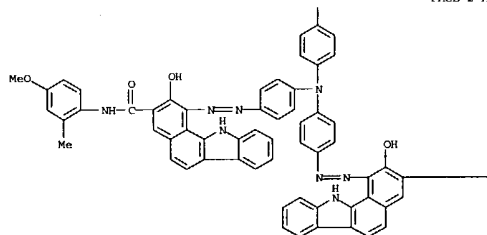
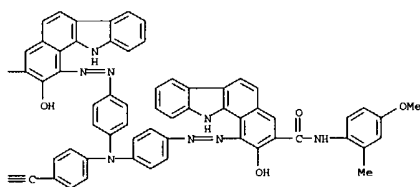
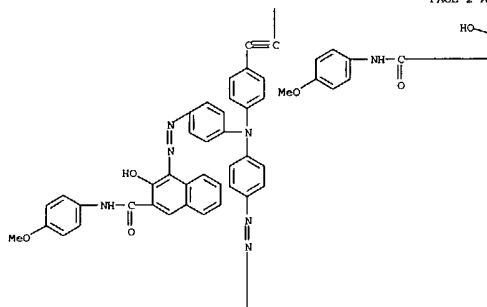
PAGE 2-B



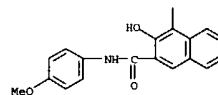
RN 134427-18-2 CAPLUS
CN 2-Naphthalenecarboxamide, 4,4',4'',4'''-[(1,4-naphthalenediylbis(2,1-ethynediyl)-4,1-phenylenenitrilobis(4,1-phenyleneazo)]tetrakis[3-hydroxy-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

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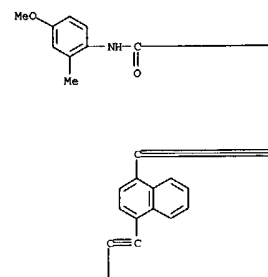




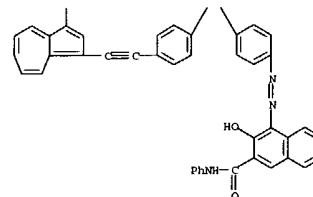
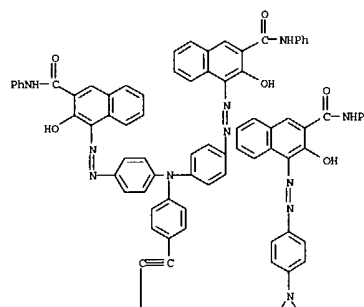
RN 134427-20-6 CAPLUS
CN 2-Naphthalenecarboxamide, 4,4',4'',4'''-[1,3-azulenediylbis(2,1-ethynediyl)-



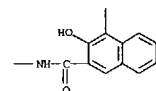
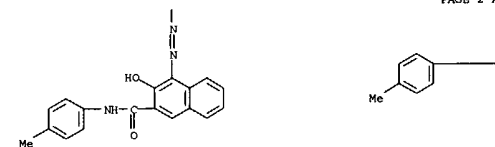
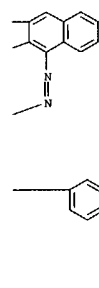
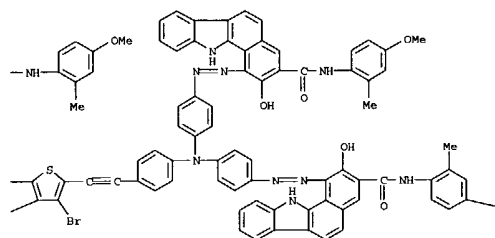
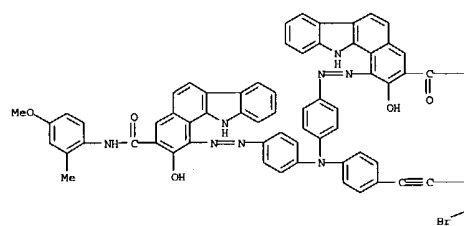
RN 134427-19-3 CAPLUS
CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[1,4-naphthalenediylbis(2,1-ethynediyl-4,1-phenylenenitrilobis(4,1-phenyleneazo))]tetrakis[2-hydroxy-N-(4-methoxy-2-methylphenyl)- (9CI) (CA INDEX NAME)



4,1-phenylenenitrilobis(4,1-phenyleneazo))]tetrakis[3-hydroxy-N-phenyl- (9CI) (CA INDEX NAME)



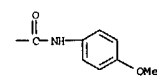
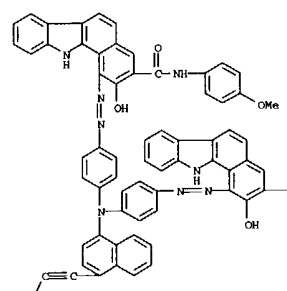
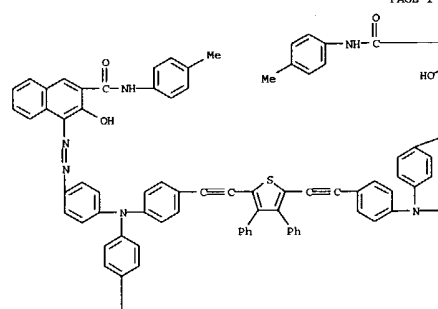
RN 134427-21-7 CAPLUS
CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[(3,4-dibromo-2,5-thiophenediyl)bis(2,1-ethynediyl-4,1-phenylenenitrilobis(4,1-phenyleneazo))]tetrakis[2-hydroxy-N-(4-methoxy-2-methylphenyl)- (9CI) (CA INDEX NAME)

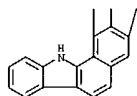
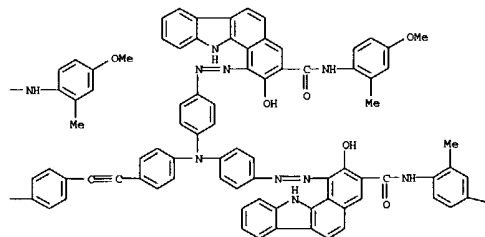
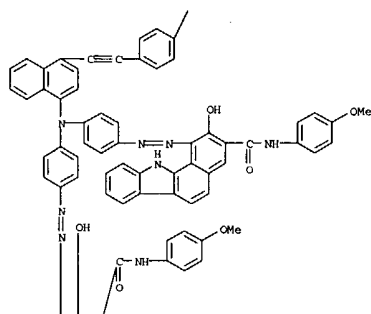


RN 134427-23-9 CAPLUS
CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[1,4-phenylenebis[2,1-ethynediyl-4,1-naphthalenediyl]nitro]bis[4,1-phenyleneazo]]tetrakis[2-hydroxy-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

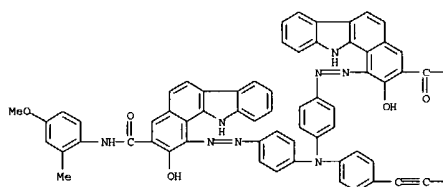
OMe

RN 134427-22-8 CAPLUS
CN 2-Naphthalenecarboxamide, 4,4',4'',4'''-[(3,4-diphenyl-2,5-thiophenediyl)bis[2,1-ethynediyl-4,1-phenylenenitro]bis[4,1-phenyleneazo]]tetrakis[3-hydroxy-N-(4-methylphenyl)- (9CI) (CA INDEX NAME)

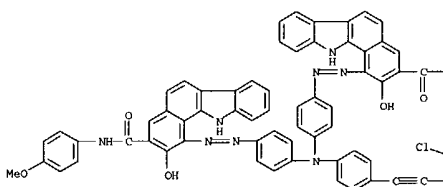




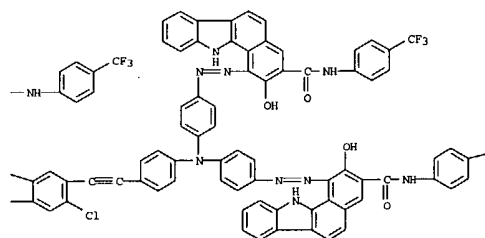
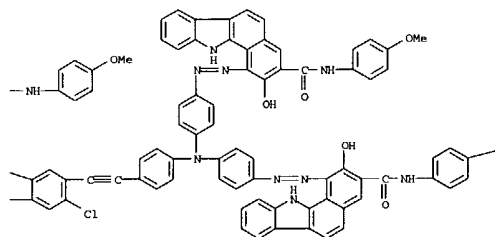
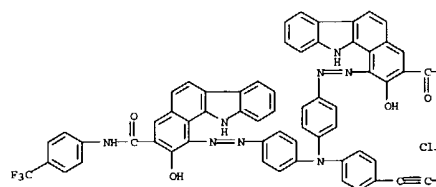
RN 134461-12-4 CAPLUS
CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[(1,4-phenylenebis[2,1-ethynediyl]-4,1-phenylenenitrilobis(4,1-phenyleneazo))]tetrakis[2-hydroxy-N-(4-methoxy-2-methylphenyl)- (9CI) (CA INDEX NAME)



RN 134461-13-5 CAPLUS
CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[(2,5-dichloro-1,4-phenylene)bis[1,2-ethynediyl]-4,1-phenylenenitrilobis(4,1-phenyleneazo))]tetrakis[2-hydroxy-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



phenylene)bis[2,1-ethynediyl]-4,1-phenylenenitrilobis(4,1-phenyleneazo))]tetrakis[2-hydroxy-N-(4-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



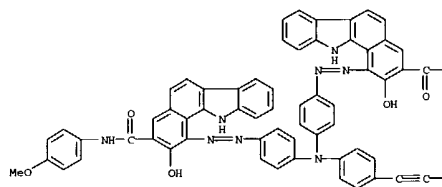
OMe

RN 134461-14-6 CAPLUS
CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[(2,5-dichloro-1,4-

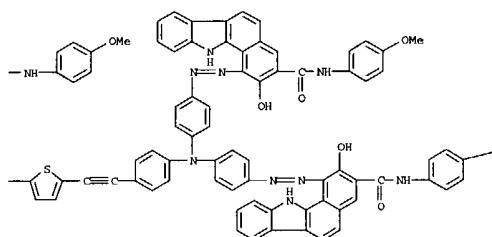
—CF₃

RN 134461-16-8 CAPLUS
 CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[2,5-thiophenediylbis[2,1-ethynediyl-4,1-phenylenenitrilobis(4,1-phenyleneazo)]]tetrakis[2-hydroxy-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

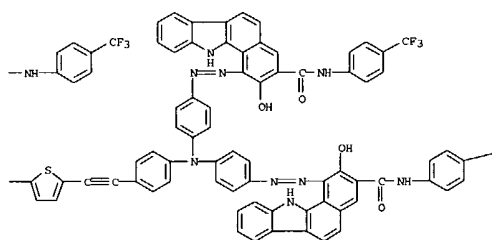
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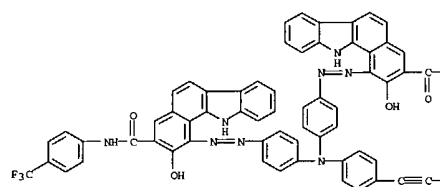
—CF₃

RN 134461-18-0 CAPLUS
 CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[(3,4-dichloro-2,5-thiophenediyl)bis[2,1-ethynediyl-4,1-phenylenenitrilobis(4,1-phenyleneazo)]]tetrakis[2-hydroxy-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

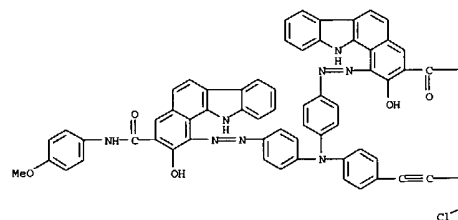
—OMe

RN 134461-17-9 CAPLUS
 CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[2,5-thiophenediylbis[2,1-ethynediyl-4,1-phenylenenitrilobis(4,1-phenyleneazo)]]tetrakis[2-hydroxy-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

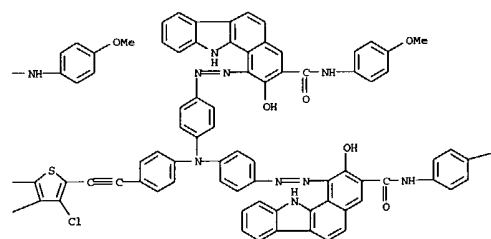
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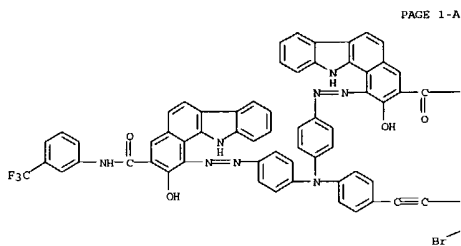
PAGE 1-C

—OMe

RN 134461-19-1 CAPLUS

CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[(3,4-dibromo-2,5-thiophenediyl)bis(2,1-ethynediyl-4,1-phenylenenitrilobis(4,1-phenyleneazo))]tetrakis[2-hydroxy-N-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

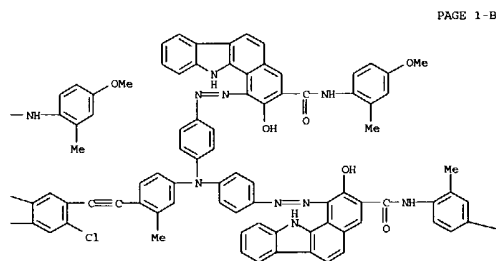
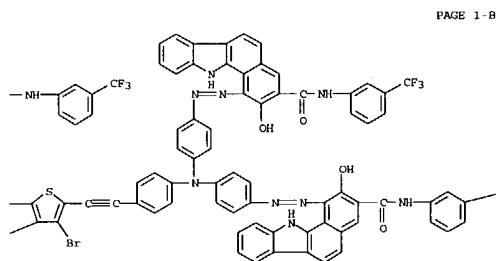
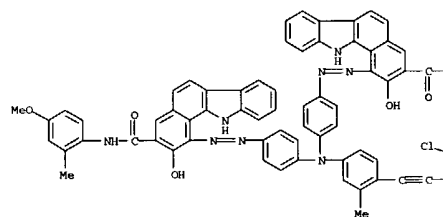
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CF₃

RN 134461-23-7 CAPLUS
CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[(2,5-dichloro-1,4-phenylene)bis(2,1-ethynediyl(3-methyl-4,1-phenylene)nitrilobis(4,1-phenyleneazo))]tetrakis[2-hydroxy-N-(4-methoxy-2-methylphenyl)- (9CI) (CA INDEX NAME)

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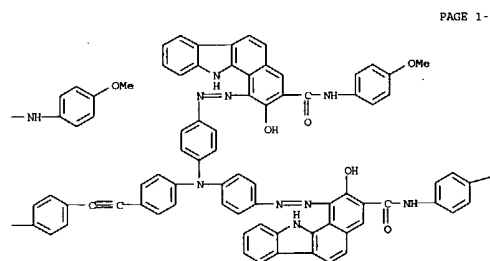


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OMe

IT 134461-11-3P
RL: SPM (Synthetic preparation); PREP (Preparation)
(preparation and use of, as charge-generating agent for electrophotog. photoconductor)
RN 134461-11-3 CAPLUS
CN 11H-Benzo[a]carbazole-3-carboxamide, 1,1',1'',1'''-[(1,4-phenylene)bis(2,1-ethynediyl-4,1-phenylenenitrilobis(4,1-phenyleneazo))]tetrakis[2-hydroxy-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

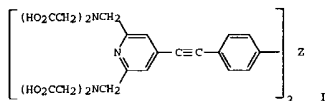
PAGE 1-C



OMe

ACCESSION NUMBER: 1989:477814 CAPLUS
 DOCUMENT NUMBER: 111:77814
 TITLE: Preparation of complexing compounds containing two 2,6-bis[N,N-bis(carboxymethyl)aminomethyl]-4-ethynylpyridine subunits
 AUTHOR(S): Takalo, Harri; Manninen, Elina; Kankare, Jouko
 CORPORATE SOURCE: Dep. Chem., Univ. Turku, Turku, SF-20500, Finland
 SOURCE: Acta Chemica Scandinavica, Series B: Organic Chemistry and Biochemistry (1988), B42(10), 662-5
 CODEN: ACBOCV; ISSN: 0302-4369
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 111:77814
 GI

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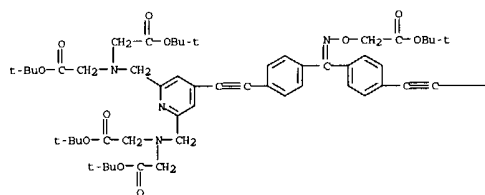


AB Comps. containing two 2,6-bis[N,N-bis(carboxymethyl)aminomethyl]-4-ethynylpyridine subunits, e.g. I (Z = C:NOCH₂CO₂H, CHNH₂, CONH), have been prepared by coupling reactions between diiodoarenes and acetylenes in the presence of a small amount of a Pd catalyst and CuI.

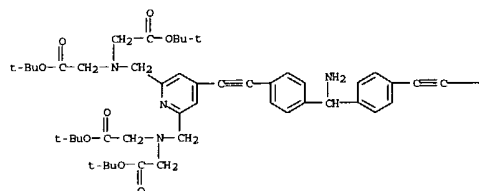
IT 121724-17-2P 121724-18-3P 121724-19-4P
 121724-20-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

RN 121724-17-2 CAPLUS
 CN Glycine, N,N',N'',N'''-[[[2-(1,1-dimethylethoxy)-2-oxoethoxy]carbonimidoyl]bis[4,1-phenylene-2,1-ethynediyl-4,2,6-pyridinediylbis(methylene)]]tetrakis[N-[2-(1,1-dimethylethoxy)-2-oxoethyl]-, tetrakis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

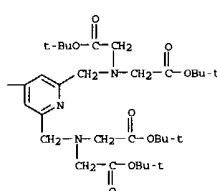
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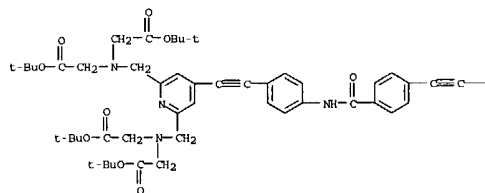


RN 121724-19-4 CAPLUS

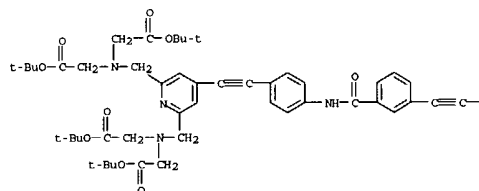
CN Glycine, N,N'-[[4-[[4-[[2,6-bis[bis(2-(1,1-dimethylethoxy)-2-oxoethyl]amino)methyl]-4-pyridinyl]ethynyl]benzoyl]amino]phenyl]ethynyl]-2,6-pyridinediylbis(methylene)]]bis[N-[2-(1,1-dimethylethoxy)-2-oxoethyl]-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

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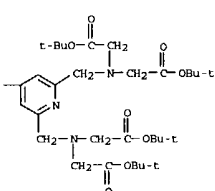
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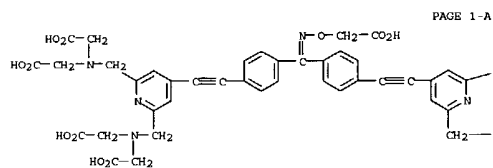
RN 121724-20-7 CAPLUS
 CN Glycine, N,N'-[[4-[[4-[[3-[[2,6-bis[bis(2-(1,1-dimethylethoxy)-2-oxoethyl]amino)methyl]-4-pyridinyl]ethynyl]benzoyl]amino]phenyl]ethynyl]-2,6-pyridinediyl]bis(methylene)]]bis[N-[2-(1,1-dimethylethoxy)-2-oxoethyl]-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

IT 121724-22-9P 121724-24-1P 121724-26-3P
 121724-28-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)

RN 121724-22-9 CAPLUS
 CN Glycine, N,N',N'',N'''-[[[carboxymethoxy]carbonimidoyl]bis[4,1-phenylene-2,1-ethynediyl-4,2,6-pyridinediylbis(methylene)]]tetrakis[N-(carboxymethyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 121724-21-8
 CMF C49 H47 N7 O19

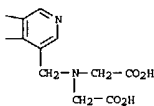
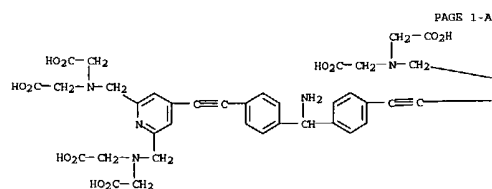


CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 121724-24-1 CAPLUS
CN Glycine, N,N',N'',N'''-[[[aminomethylene]bis[4,1-phenylene-2,1-ethynediyl-4,2,6-pyridinetriylbis(methylene)]]tetrakis[N-(carboxymethyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 121724-23-0
CMF C47 H47 N7 O16

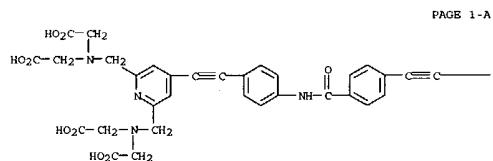


CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 121724-26-3 CAPLUS
CN Glycine, N,N'-[[[4-[[[4-[[[2,6-bis[[bis(carboxymethyl)amino]methyl]-4-pyridinyl]ethynyl]benzoyl]amino]phenyl]ethynyl]-2,6-pyridinediyl]bis(methylene)]bis[N-(carboxymethyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 121724-25-2
CMF C47 H45 N7 O17

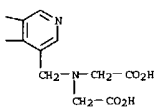
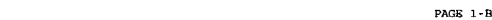
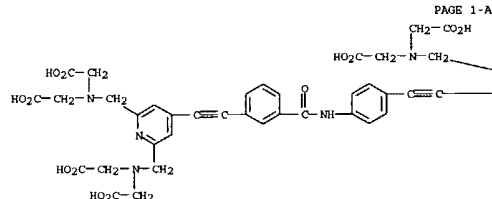


CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 121724-28-5 CAPLUS
CN Glycine, N,N'-[[[4-[[[4-[[[3-[[[2,6-bis[[bis(carboxymethyl)amino]methyl]-4-pyridinyl]ethynyl]benzoyl]amino]phenyl]ethynyl]-3,5-pyridinediyl]bis(methylene)]bis[N-(carboxymethyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 121724-27-4
CMF C47 H45 N7 O17



CM 2
CRN 76-05-1
CMF C2 H F3 O2



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